

**POWER-STRUT®**



**ENGINEERING CATALOG**

# The Power to Build



## Power-Strut® Metal Framing...



**CHANNEL**



**CLAMPING NUT**



**CONNECTION  
FITTING**

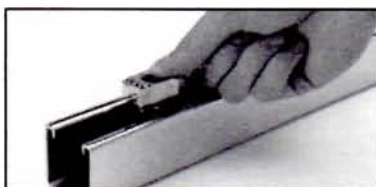


**BOLT**

The present line of Power-Strut continuous slot metal framing is the result of over one half century of experience in metal framing. This complete line includes channels, fittings and accessories of American manufacture for any framing or support problem... large or small, heavy or light.

Power-Strut is proud of the exacting standards of research, design, engineering and manufacturing that go into production of the Power-Strut system. Maximum recommended load ratings for channels have been established through testing and are based on allowable stresses applicable to the Power-Strut Material Specification. Many Power-Strut products are listed by the Underwriters' Laboratories, Inc. and certified by the Canadian Standards Association.

## The Power-Strut Connection, Easy as 1 - 2 - 3...



Insert the clamping nut anywhere along the continuous slot channel. A 90° clockwise turn positions the grooves and teeth in the nut with the inturned edges of the channel


















The Power-Strut fitting provides the connection of channels



Tighten the bolt(s) to secure the connection

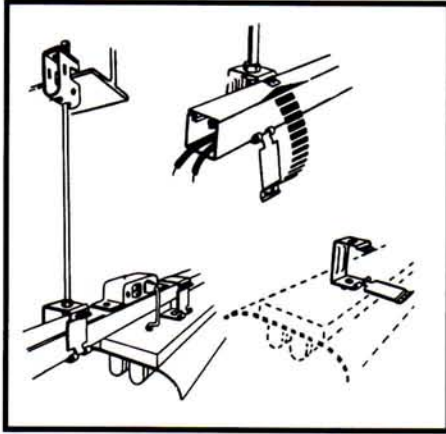


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**Warning:** Power-Strut products are carefully designed and manufactured to the listed standards, as applicable. However, Power-Strut reserves the right to revise product design without notification. Power-Strut products included in this catalog are intended for installation and service only as described or specified herein. Care should be exercised by installers and end-users to install, use and maintain these products properly to avoid any possible on-the-job accidents.



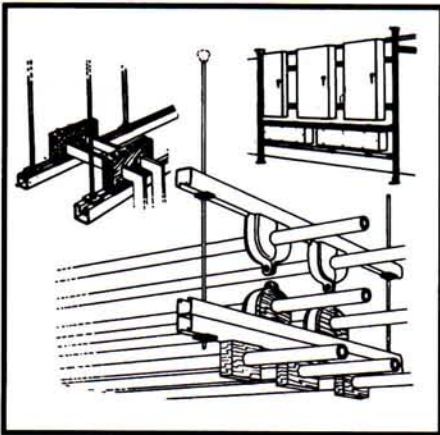
## A BROAD AND VERSATILE METAL FRAMING LINE,



### *More Than 8,000 Quality Products*

The Power-Strut metal framing system can be regarded as a basic building material. Our metal framing system is an erector set concept, using channel and fittings to solve many applications. You can conceal metal framing in the basic structure of a building or run it along the surface of walls, ceilings and floors. An endless array of fittings provide freedom to work at virtually any angle along any surface to shape a support system that fits your exact needs.

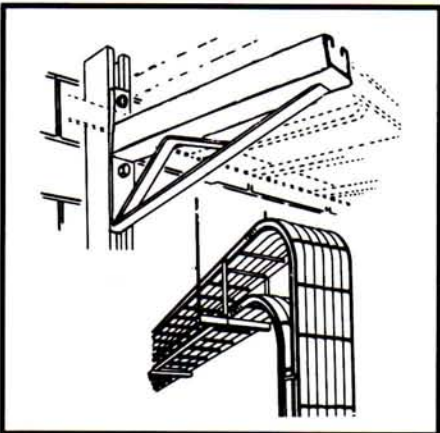
Available finishes include hot-dipped galvanized, pre-galvanized, electro-galvanized and painted, along with material choices of steel, stainless steel and aluminum.



Beyond its versatility as a basic building material, metal framing is popular for more exotic applications such as clean rooms, satellite dish supports, x-ray supports, storage racks, theater screens, tunnel stanchions and offshore platform catwalks. While the uses of metal framing are truly unlimited, they fall into three major categories.

### *Electrical Systems*

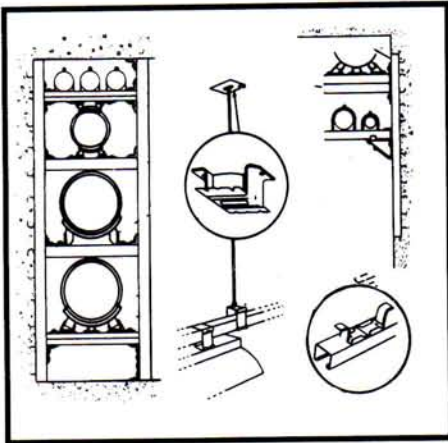
Versatile metal framing is widely used by electrical contractors to support conduit, panel boxes, raceway systems and other electrical components. In addition, Power-Strut channel can be used as a wiring raceway. Products marked with the UL symbol in this catalog are listed by Underwriter's Laboratories for use in raceway applications.



Channel raceways or support systems can be attached to ceilings, wood or steel beams, inside columns or imbedded in concrete. Trapeze systems can support conduit from either the top or bottom.

As a lighting support system, metal framing helps assure proper alignment over long spans. As a raceway system, channel offers an opportunity to reduce construction costs through more efficient use of installation labor. The exceptional versatility of channel gives contractors more flexibility in solving miscellaneous problems which may arise at the job site.

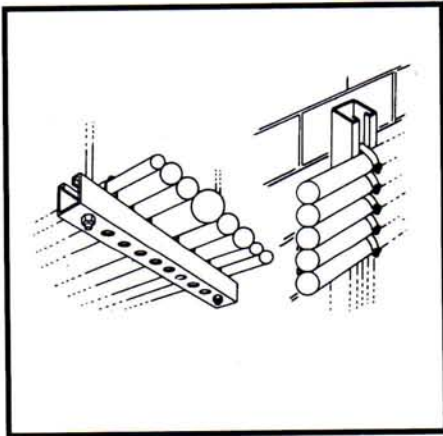
## **BACKED BY A LEADING REPUTATION FOR QUALITY AND SERVICE.**



### ***Mechanical Systems That Reduce Costs***

For mechanical support of HVAC, plumbing and fire protection systems, the versatility of metal framing systems is unmatched. It is by far the most popular framing system with contractors because the wide variety of fittings and support devices available help solve virtually any support problem without expensive welding.

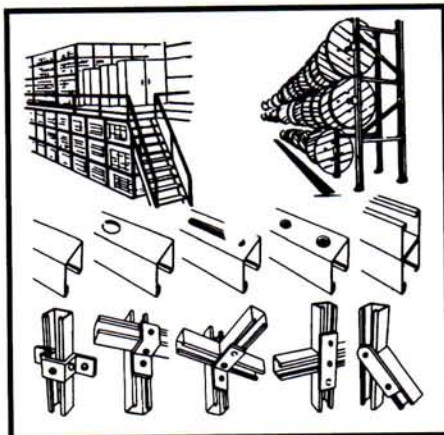
Piping stanchions, ceiling and wall-mounted supports and tunnel supports are common metal framing applications. Concrete insert, shelf bracket, wall and ceiling-mounted systems provide flexible solutions to any piping support applications.



In addition, pipe support products such as Power-Wrap and cushioned clamps provide insulation to prevent potential damage from noise, vibration, temperature variations and metal-to-metal contact.

### ***OEM Components And Maintenance***

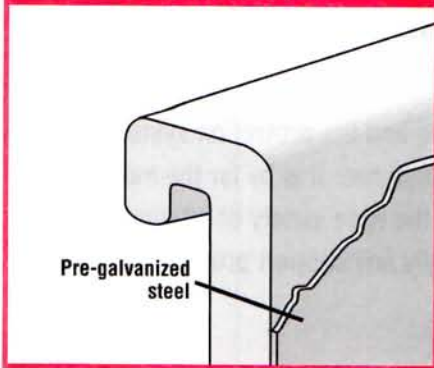
Metal Framing systems provide convenient solutions for maintenance and retrofit requirements in processing and manufacturing facilities. Also, Power-Strut products can be used as cost-effective components in OEM applications. For example, channel can be used as conveyor stands and side rails or provide framing for panel cabinetry products, or for generator, motor and pump supports.



The complete line of products and leading reputation for quality and service make Power-Strut your practical choice for metal framing. Contact your local Power-Strut representative for additional information.



**Pre-Galvanized**

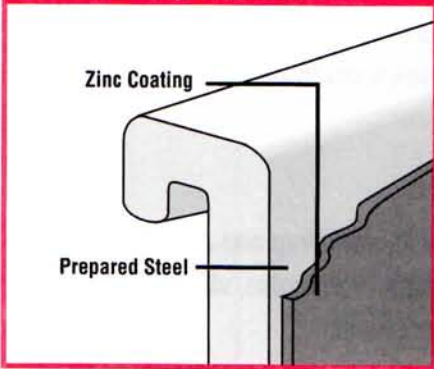


**PRE-GALVANIZED (PGL)** – Material (steel strip) is coated with zinc by hot-dip process prior to roll-forming or press operations.

The zinc coating conforms to ASTM A-525, Grade 90 General Requirement for Steel Sheet, Zinc-Coated (Galvanized) by Hot Dip Process.

**Channel and Closures**

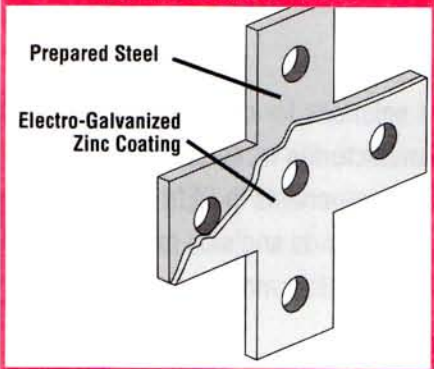
**Hot Dip Galvanized**



**HOT-DIPPED GALVANIZED (HDG)** – Material is coated with zinc after being roll-formed or after all manufacturing operations are completed, conforming to ASTM specification No. A123 or A153.

**Channel, Closures, Clamps and Fittings**

**Electro-Galvanized**



**ELECTRO-GALVANIZED (EG)** – Fittings and hardware are electrolytically coated with zinc to commercial standards (ASTM-B633 Type III C1).

**Bolts, Nuts, Clamps and Fittings**

**POWER-GOLD**



**POWER-GOLD (ZD)** – A .5 mil electro-galvanized zinc plate is applied with a cohesive molecular bond to the steel base metal, in compliance with the ASTM B633 standard. Yellow Dichromate is applied over the zinc and results in a gold appearance which acts as a nonporous barrier sealant.

**Channel and Fittings**

**ZINC COATING**

Power-Strut products are available in four types of zinc coatings:

- electroplated (EG)
- pregalvanized (PGL)
- hot dip galvanized (HDG)
- yellow dichromate (ZD)

Zinc coatings offer two types of protection:

1. **Barrier:** The zinc coating protects the steel substrate from direct contact with the environment.
2. **Sacrificial:** The zinc coating will protect scratches, cut edges, etc. through an anodic sacrificial process.

The service life of zinc coating is directly related to the zinc coating thickness as shown below.

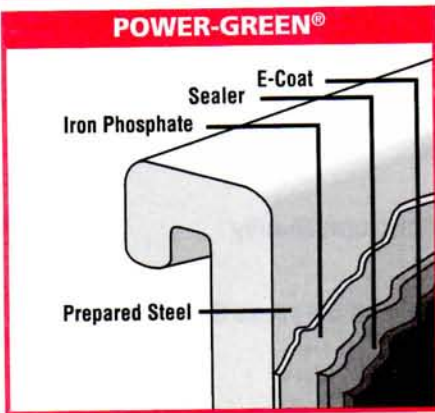
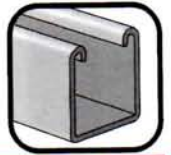
**COMPARISON OF ZINC GALVANIZED FINISHES**

Finish	Zinc Thickness
Hot Dip Galvanized	2.6 MIL
Pregalvanized	.75 MIL
Electro-Galvanized	.2 to .5 MIL
Power-Gold	.5 MIL

**FINISHES (Ordering):**

When ordering, add the finish to the part number.

- Examples: PS 200-10 PGL  
 PS 200-10 ZD  
 PS 200-10 GRN  
 PS 200-10 HDG



**POWER-GREEN® (GRN)** – Channel and parts are cleaned and phosphated. Immediately afterward, a uniform coat of rust-inhibiting acrylic enamel paint is applied by electro-deposition and thoroughly baked.

**Channel, Closures and Fittings**

**Power-Green® TECHNICAL DATA**

**STEEL SUBSTRATE PREPARATION**

Eight stage continuous cleaning, phosphate process. Substrate after “prep”: sealed iron phosphate conversion coating.

**COATING**

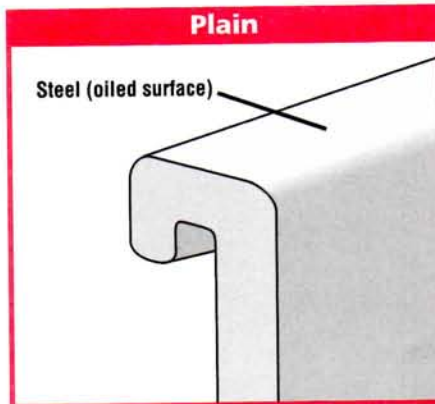
Thermoset acrylic  
Color: Green Federal STD. 595A, Color No. 14109, Dark Limit V-.  
Hardness: 2H.  
Coating Process: Anodic Electrodeposition.

**PERFORMANCE**

Salt Spray:  
Scribed: exceeds 400 hrs per ASTM B117.  
Unscribed: exceeds 600 hrs per ASTM B117.  
Chalk: nominal at 1,000 hrs per weatherometer G-23 test.  
Checking: None at 1,000 hrs per weatherometer G-23 test.  
Fade: Less than 50% compared to standard epoxy E.C. coatings.

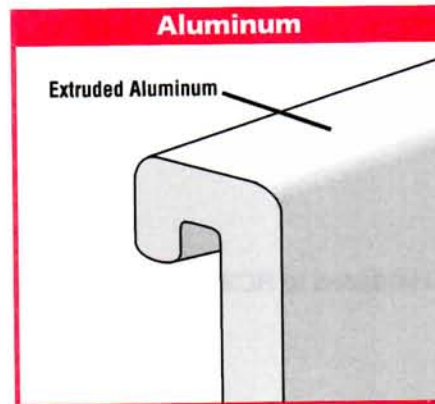
**ENVIRONMENTAL ISSUES**

Formulated as a “heavy metal”-free coating (trace elements only).  
Outgassing in service: essentially none at 350°F for 24 hrs.



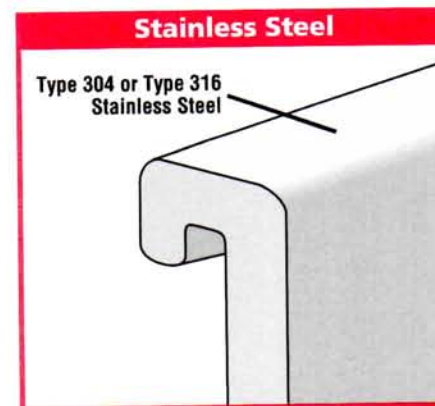
**PLAIN (PLN)** – Plain finish designation means that the channel retains the oiled surface applied to the raw steel during the rolling process. The fittings have the original oiled surface of the bar-stock material.

**Channel, Closures and Fittings**



**ALUMINUM (ALM)** – Channel is extruded aluminum in accordance with ASTM B221 Type 6063-T6.

**Channel, Closures and Fittings**



**STAINLESS STEEL** – Material in accordance with ASTM A 240 (Type 304 or type 316).

**Channel, Closures and Fittings**



## MATERIALS:

### **Channel\* & Closures – Pre-Galvanized**

ASTM A653 Grade 33, Steel Sheet Zinc Coated by Hot Dip Process

### **Channel\* – Plain, Painted or Hot Dip Galvanized**

ASTM A-570 Grade 33, Hot Rolled Carbon Steel Sheet and Strip, Structural Quality

### **Channel\* – Stainless Steel**

ASTM A-240, Type 304, Heat Resisting Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, Strip for Pressure Vessel

### **Channel\* – Aluminum**

ASTM B-221, Type 6063 T6, Aluminum Alloy Extruded Bar, Rod, Wire, Shape and Tube

### **Closures – Plain, Painted or Hot Dip Galvanized**

ASTM A366, Steel, Strip, Carbon, Cold-Rolled

### **Fittings\* – Steel**

- 1/4" Nominal Thickness – ASTM A-575 and A576†
- 3/8" Nominal Thickness – A36 (Structural Steel)

### **Fittings\* – Aluminum**

ASTM B-209

### **Accessories – Steel**

- Less than 1/4" Nominal Thickness – ASTM A-569, 1008-1010 Grade, or (when Pre-Galvanized) ASTM A-527/Coating Designation G90

### **Pipe Clamps – Steel**

A-570 Grade 33

### **Pipe Clamps – Stainless Steel**

ASTM A-240, Type 304

### **Pipe Clamps – Aluminum**

ASTM B-209, 5052, H32 Grade, Sheet and Plate

### **Channel Nuts**

ASTM (3/8" & 1/2") A-576 Grade 1015M, A-675 (1/4") Grade 60, Case Hardened to RC25 min.

### **Hex Nuts and Bolts**

ASTM A-563, Grade A and ASTM A-307, Grade A

### **Threaded Rod**

ASTM A-510, Hot Rolled, 1008-1010 Grade

\* Channel referenced is 1 5/8" wide, fittings referenced are for 1 5/8" channel.

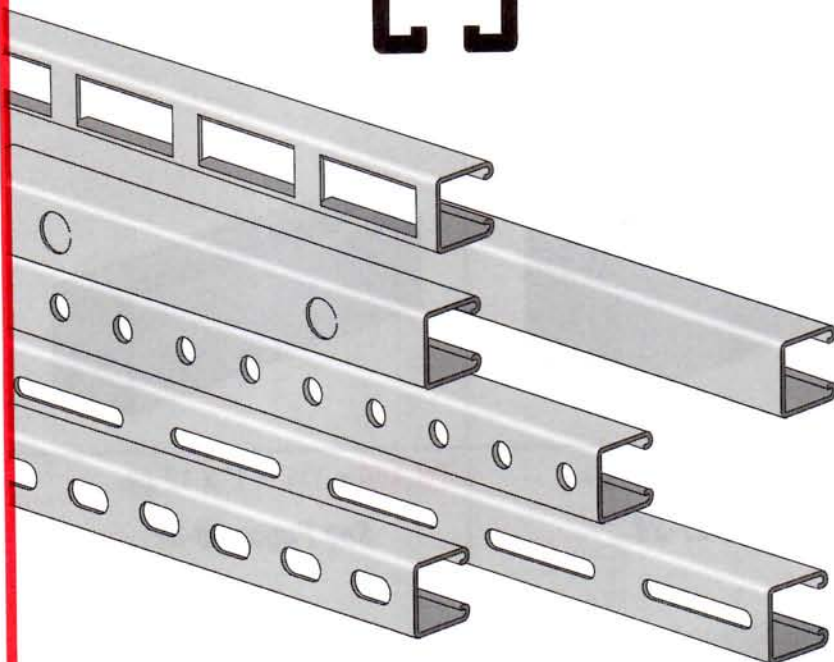
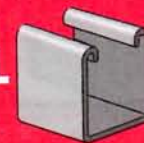
† Some 1/4" fittings are produced from A-36 Structural Steel.



# POWER-STRUT®



## CHANNEL



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*Power-Strut channel sections are produced by multiple sets of forming rolls which cold-work strip steel into the channel configuration. This type of roll forming produces a uniform channel section held to the specifications of MFMA -2.*

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**MATERIALS:**

Plain and painted green channels are formed from structural quality strip steel which conforms to the requirements of ASTM A-570 Grade 33. Pre-galvanized channel conforms to the requirements of ASTM A-653 Grade 33.

**STANDARD LENGTHS:**

Stock lengths are 10 and 20 feet. Special lengths are available upon request.

**STANDARD FINISHES:**

Standard Power-Strut channel is available in plain, painted green, zinc dichromate or pre-galvanized finishes.

**ORDERING INFORMATION:**

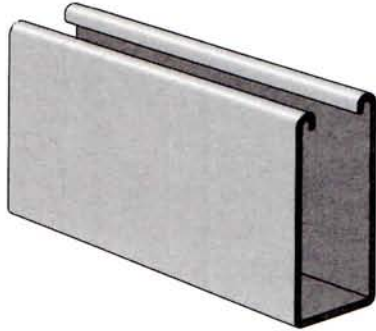
When ordering, add the length or size and finish to the part number. See page 6 for finish abbreviations and an example.

# CHANNEL OVERVIEW



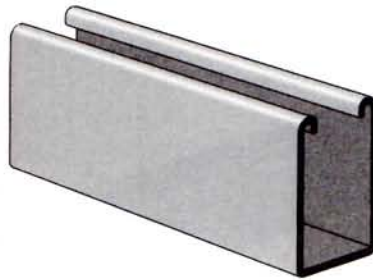
**PS 100** – 1<sup>5</sup>/<sub>8</sub>" x 3<sup>1</sup>/<sub>4</sub>" x 12 ga.

*See Pages 10-12*



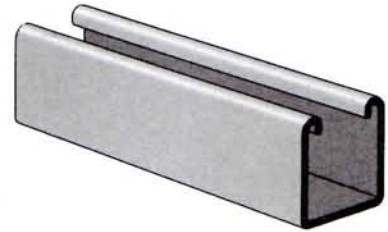
**PS 150** – 1<sup>5</sup>/<sub>8</sub>" x 2<sup>7</sup>/<sub>16</sub>" x 12 ga.

*See Pages 13-15*



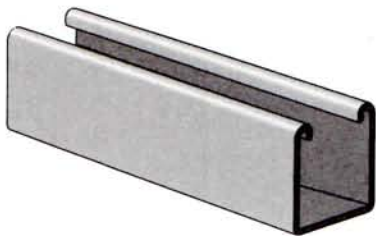
**PS 200** – 1<sup>5</sup>/<sub>8</sub>" x 1<sup>5</sup>/<sub>8</sub>" x 12 ga.

*See Pages 16-23*



**PS 210** – 1<sup>5</sup>/<sub>8</sub>" x 1<sup>5</sup>/<sub>8</sub>" x 14 ga.

*See Pages 24-26*



**PS 300** – 1<sup>5</sup>/<sub>8</sub>" x 1<sup>3</sup>/<sub>8</sub>" x 12 ga.

*See Pages 27-29*



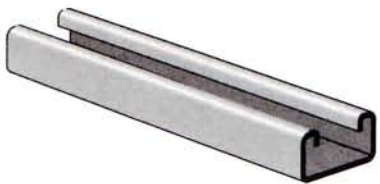
**PS 400** – 1<sup>5</sup>/<sub>8</sub>" x 1" x 12 ga.

*See Pages 30-32*



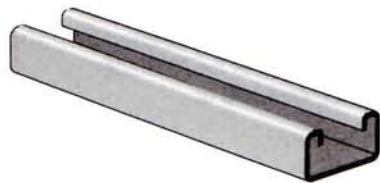
**PS 500** – 1<sup>5</sup>/<sub>8</sub>" x 1<sup>3</sup>/<sub>16</sub>" x 14 ga.

*See Pages 33-35*



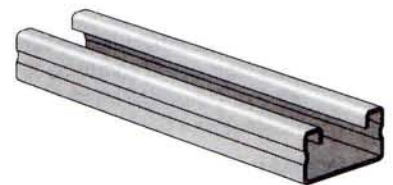
**PS 520** – 1<sup>5</sup>/<sub>8</sub>" x 1<sup>3</sup>/<sub>16</sub>" x 12 ga.

*See Pages 36-38*



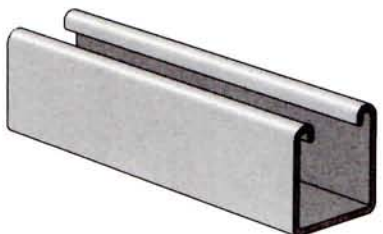
**PS 560** – 1<sup>5</sup>/<sub>8</sub>" x 1<sup>3</sup>/<sub>16</sub>" x 16 ga.

*See Pages 39-41*



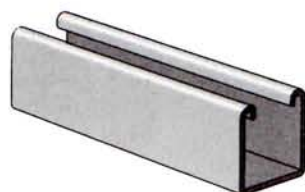
**PS 5000** – 2" x 2" x 10 ga.

*See Heavy Duty Channel  
Page 128*



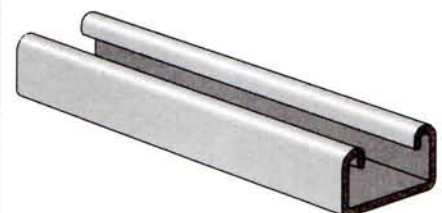
**PS 600J** – 1<sup>3</sup>/<sub>16</sub>" x 1<sup>3</sup>/<sub>16</sub>" x 19 ga.

*See Junior Channel  
Page 132*



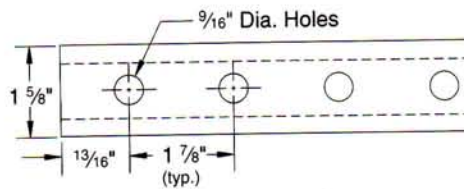
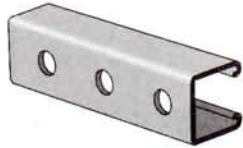
**PS 700J** – 1<sup>3</sup>/<sub>16</sub>" x 1<sup>3</sup>/<sub>32</sub>" x 19 ga.

*See Junior Channel  
Page 133*



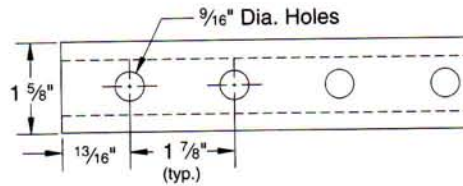


**Channel with Holes**



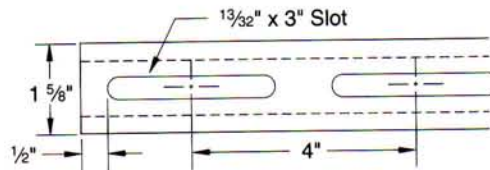
**PS 100, PS 150, PS 200, PS 210, PS 300,  
PS 400, PS 500, PS 520, PS 560**

**Channel with Holes**



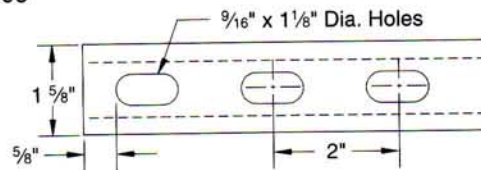
**PS 200 Only**

**Channel with Slots**



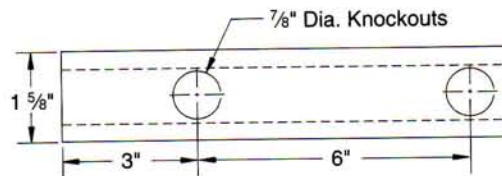
**PS 100, PS 150, PS 200, PS 210, PS 300,  
PS 400, PS 500, PS 520, PS560**

**Channel with Elongated Holes**



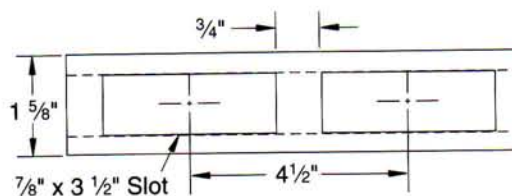
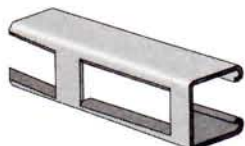
**PS 100, PS 150, PS 200, PS 200 2T3,  
PS 210, PS 300, PS 400, PS 500, PS 520,  
PS 560**

**Channel with Knockouts**



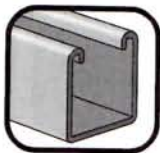
**PS 100, PS 150, PS 200, PS 210, PS 300,  
PS 400**

**Channel with Slotted Back**



**PS 200 Only**

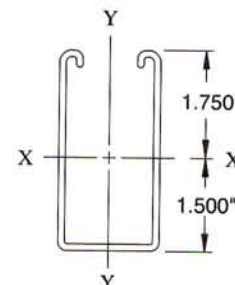
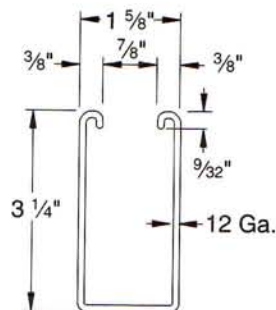
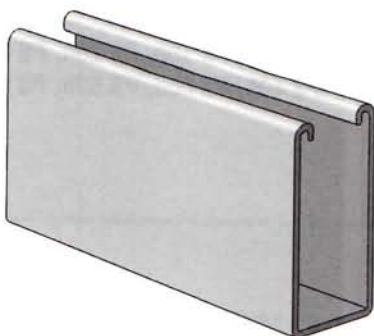
# CHANNEL



**General Information**  
 Finish: Plain, painted green or pre-galvanized  
 Stock Length: 10' and 20', other lengths on request  
 Order By: Part No., Length & Finish



## PS 100 – Steel Channel (1<sup>5</sup>/<sub>8</sub>" x 3<sup>1</sup>/<sub>4</sub>" x 12 ga.)

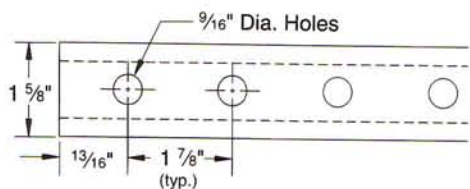
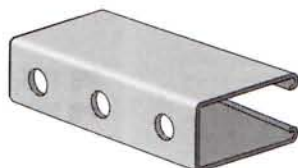


### ELEMENTS OF SECTION

Weight (lbs./100 ft.)	Area of Section (Inch <sup>2</sup> )	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)	Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)
284	0.834	1.032	0.591	1.112	0.406	0.500	0.698

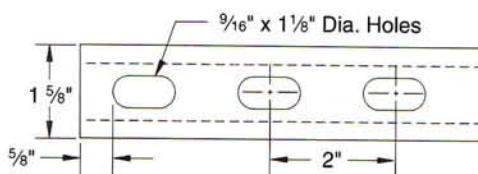
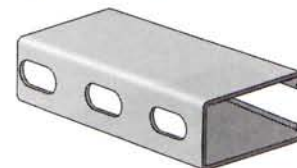
Modulus of Elasticity: 29,000,000 PSI; \*Effective section properties

### PS 100 H – Channel with Holes



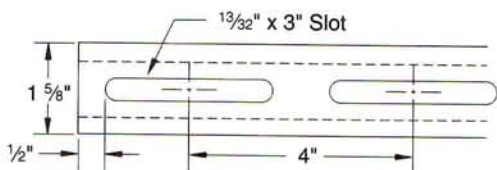
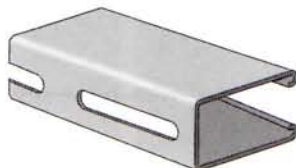
Weight: 300 lbs./100 ft.

### PS 100 EH – Channel with Elongated Holes



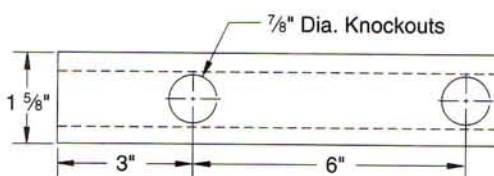
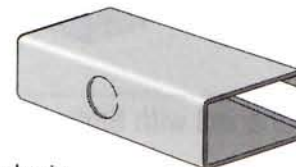
Weight: 300 lbs./100 ft.

### PS 100 S – Channel with Slots



Weight: 300 lbs./100 ft.

### PS 100 K06 – Channel with Knockouts



Weight: 305 lbs./100 ft.



General Information  
 Finish: Plain, painted green or pre-galvanized  
 Stock Length: 10' and 20', other lengths on request  
 Order By: Part No., Length & Finish



**PS 100 – Beam & Column Loads**

Span, or Column In	Max. Load of Column Loaded at C.G. (K=1.0) Lbs	Static Beam Load (X-X Axis)			
		Total Uniform Load @25,000 PSI Lbs	Deflection @25,000 PSI In	Total Uniform Load @1/240 Span Deflection Lbs	Total Uniform Load @1/360 Span Deflection Lbs
12	16,870	9,910 *	0.01	—	—
18	15,210	6,610 *	0.02	—	—
24	13,000	4,960 *	0.03	—	—
30	10,320	3,970	0.05	—	—
36	7,590	3,300	0.07	—	—
42	5,830	2,830	0.09	—	—
48	4,680	2,480	0.12	—	—
54	3,900	2,200	0.15	—	—
60	3,330	1,980	0.18	—	1,800
66	2,900	1,800	0.22	—	1,490
72	2,580	1,650	0.26	—	1,250
84	2,110	1,420	0.36	1,380	920
96	1,800	1,240	0.47	1,060	700
108	1,570	1,100	0.59	840	560
120	1,400	990	0.73	680	450

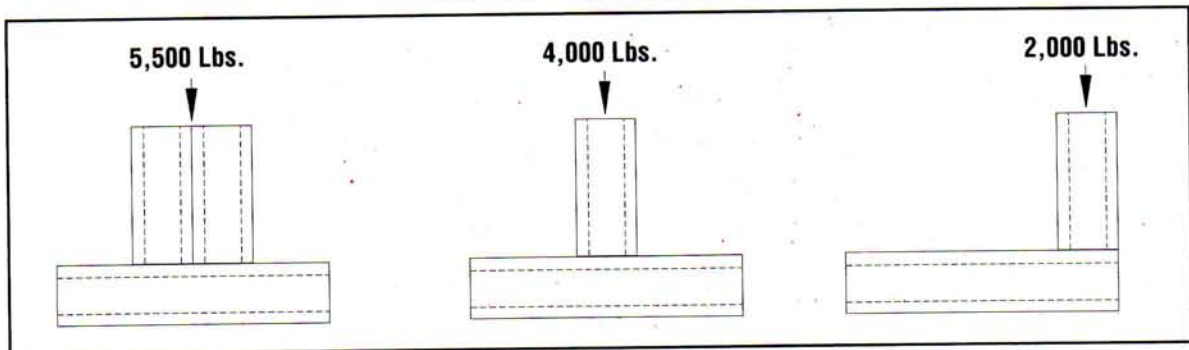
\* Bearing load may govern capacity.

Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8. This load table is based on a solid channel section.

For Pierced Channels, reduce beam load values as follows:

- PS-100-EH 15%
- PS-100-S 15%
- PS-100-H 10%
- PS-100-K06 5%

**PS 100 – Crush Loads**



**Resistance to Slip** – 1,500 lbs. per bolt when 1/2" PS NS channel nuts are used.

**Pull Out Strength** – 2,000 lbs. per bolt when 1/2" PS NS channel nuts are used.

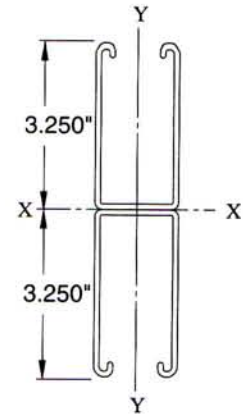
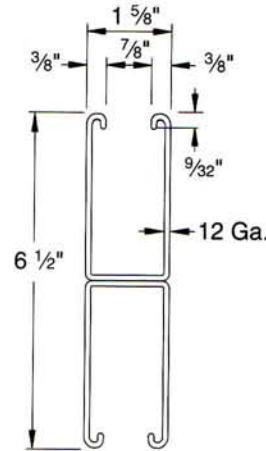
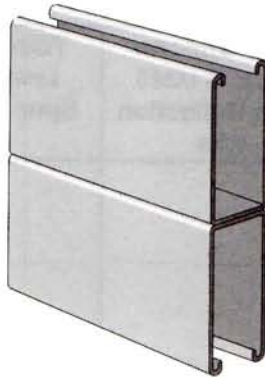
# CHANNEL



**General Information**  
 Finish: Plain, painted green or pre-galvanized  
 Stock Length: 10' and 20', other lengths on request  
 Order By: Part No., Length & Finish



## PS 100 2T3 – Steel Channel (1<sup>5</sup>/<sub>8</sub>" x 6<sup>1</sup>/<sub>2</sub>" x 12 ga.)



### ELEMENTS OF SECTION

Weight (lbs./100 ft.)	Area of Section (Inch <sup>2</sup> )	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)	Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)
567	1.669	5.839	1.797	1.871	0.812	1.000	0.698

Modulus of Elasticity: 29,000,000 PSI; \*Effective section properties

### PS 100 2T3 – Beam & Column Loads

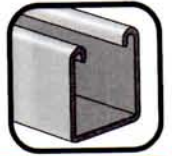
Span, or Column In	Max. Load of Column Loaded at C.G. (K=1.0) Lbs	Static Beam Load (X-X Axis)			
		Total Uniform Load @25,000 PSI Lbs	Deflection @25,000 PSI In	Total Uniform Load @1/240 Span Deflection Lbs	Total Uniform Load @1/360 Span Deflection Lbs
12	36,110	6,170 *†	0.00	–	–
18	35,630	6,170 *†	0.01	–	–
24	34,950	6,170 *†	0.02	–	–
30	34,070	6,170 *†	0.02	–	–
36	33,000	6,170 *†	0.04	–	–
42	31,730	6,170 *†	0.05	–	–
48	30,270	6,170 *†	0.06	–	–
54	28,620	6,170 *†	0.08	–	–
60	26,770	6,020 †	0.10	–	–
66	24,730	5,480 †	0.12	–	–
72	22,490	5,020 †	0.14	–	–
84	17,460	4,300 †	0.19	–	–
96	13,370	3,770	0.25	–	–
108	10,560	3,350	0.32	–	3,150
120	8,560	3,010	0.39	–	2,550

Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8.

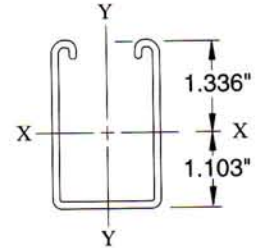
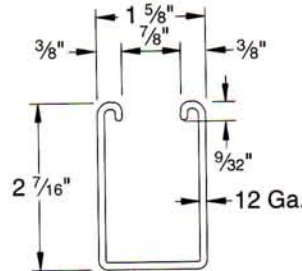
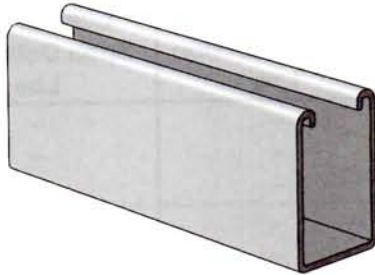
\* Load limited by spot weld shear. † Bearing load may govern capacity.



General Information  
 Finish: Plain, painted green or pre-galvanized  
 Stock Length: 10' and 20', other lengths on request  
 Order By: Part No., Length & Finish



**PS 150 – Steel Channel (1<sup>5</sup>/<sub>8</sub>" X 2<sup>7</sup>/<sub>16</sub>" X 12 ga.)**

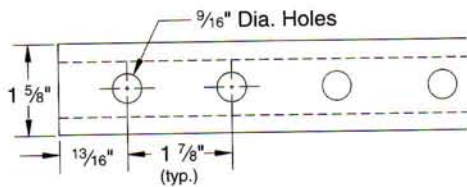
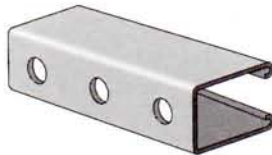


**ELEMENTS OF SECTION**

Weight (lbs./100 ft.)	Area of Section (Inch <sup>2</sup> )	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)	Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)
230	0.677	0.492	0.370	0.853	0.314	0.387	0.681

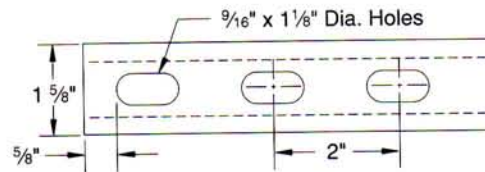
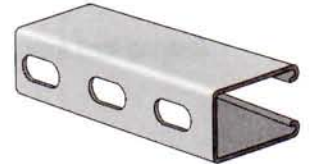
Modulus of Elasticity: 29,000,000 PSI

**PS 150 H – Channel with Holes**



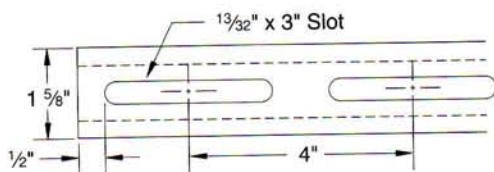
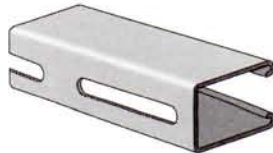
Weight: 242 lbs./100 ft.

**PS 150 EH – Channel with Elongated Holes**



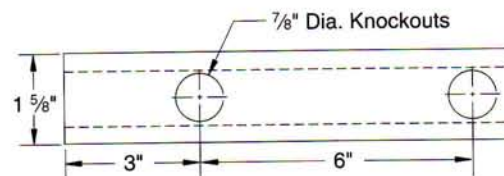
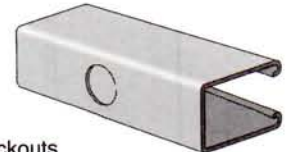
Weight: 242 lbs./100 ft.

**PS 150 S – Channel with Slots**



Weight: 242 lbs./100 ft.

**PS 150 K06 – Channel with Knockouts**



Weight: 247 lbs./100 ft.



General Information  
 Finish: Plain, painted green or pre-galvanized  
 Stock Length: 10' and 20', other lengths on request  
 Order By: Part No., Length & Finish



**PS 150 – Beam & Column Loads**

Span, or Column In	Max. Load of Column Loaded at C.G. (K=1.0) Lbs	Static Beam Load (X-X Axis)			
		Total Uniform Load @25,000 PSI Lbs	Deflection @25,000 PSI In	Total Uniform Load @1/240 Span Deflection Lbs	Total Uniform Load @1/360 Span Deflection Lbs
12	13,740	6,200 *	0.01	–	–
18	12,490	4,130	0.02	–	–
24	10,870	3,100	0.04	–	–
30	8,980	2,480	0.06	–	–
36	6,930	2,070	0.09	–	–
42	5,430	1,770	0.12	–	1,760
48	4,450	1,550	0.15	–	1,340
54	3,770	1,380	0.19	–	1,060
60	3,270	1,240	0.24	–	860
66	2,900	1,130	0.29	1,070	710
72	2,600	1,030	0.35	900	600
84	2,180	890	0.47	660	440
96	1,870	770	0.61	500	340
108	1,650	690	0.78	400	270
120	1,470	620	0.96	320	220

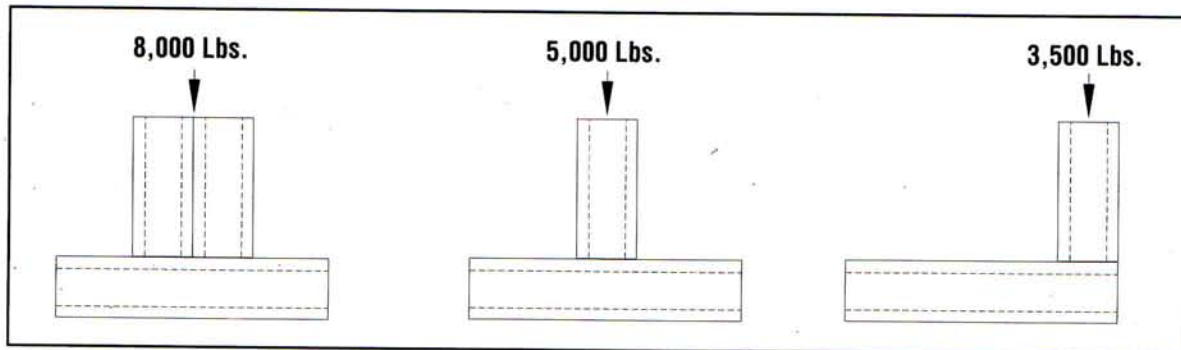
Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8. This load table is based on a solid channel section.

\* Bearing load may govern capacity.

For Pierced Channels, reduce beam load values as follows:

- PS-150-EH 15%
- PS-150-S 15%
- PS-150-H 10%
- PS-150-K06 5%

**PS 150 – Crush Loads**



**Resistance to Slip** – 1,500 lbs. per bolt when 1/2" PS NS channel nuts are used.

**Pull Out Strength** – 2,000 lbs. per bolt when 1/2" PS NS channel nuts are used.

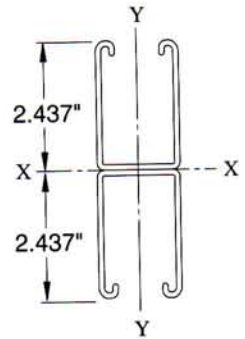
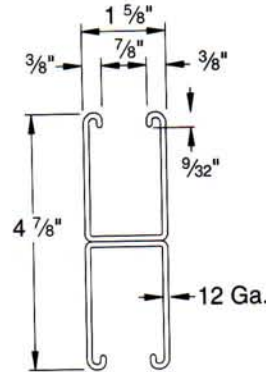
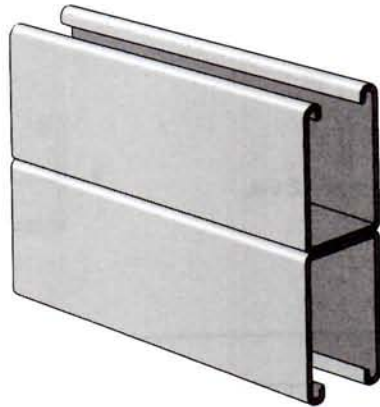




General Information  
 Finish: Plain, painted green or pre-galvanized  
 Stock Length: 10' and 20', other lengths on request  
 Order By: Part No., Length & Finish



**PS 150 2T3 – Steel Channel (1<sup>5/8</sup>" x 4<sup>7/8</sup>" x 12 ga.)**



**ELEMENTS OF SECTION**

Weight (lbs./100 ft.)	Area of Section (Inch <sup>2</sup> )	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)	Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)
460	1.353	2.638	1.083	1.396	0.628	0.773	0.681

Modulus of Elasticity: 29,000,000 PSI

**PS 150 2T3 – Beam & Column Loads**

Span, or Column In	Max. Load of Column Loaded at C.G. (K=1.0) Lbs	Static Beam Load (X-X Axis)			
		Total Uniform Load @25,000 PSI Lbs	Deflection @25,000 PSI In	Total Uniform Load @1/240 Span Deflection Lbs	Total Uniform Load @1/360 Span Deflection Lbs
12	29,270	4,680 *	0.01	–	–
18	28,860	4,680 *	0.01	–	–
24	28,280	4,680 *	0.02	–	–
30	27,530	4,680 *	0.03	–	–
36	26,620	4,680 *	0.05	–	–
42	25,540	4,680 *	0.06	–	–
48	24,300	4,540	0.08	–	–
54	22,890	4,030	0.11	–	–
60	21,320	3,630	0.13	–	–
66	19,580	3,300	0.16	–	–
72	17,680	3,030	0.19	–	–
84	13,500	2,590	0.26	–	2,350
96	10,340	2,270	0.34	–	1,800
108	8,170	2,020	0.43	–	1,420
120	6,610	1,820	0.52	1,730	1,150

Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8.

\*Load limited by spot weld shear.

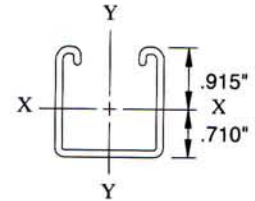
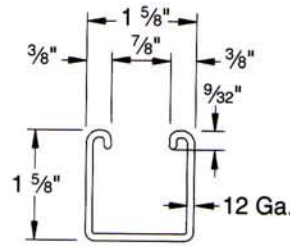
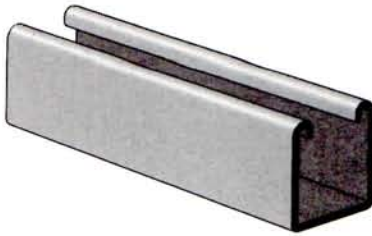
# CHANNEL



**General Information**  
 Finish: Plain, painted green or pre-galvanized  
 Stock Length: 10' and 20', other lengths on request  
 Order By: Part No., Length & Finish



## PS 200 – Steel Channel (1 5/8" x 1 5/8" x 12 ga.)

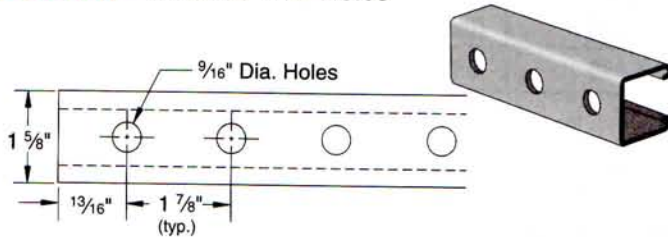


### ELEMENTS OF SECTION

Weight (lbs./100 ft.)	Area of Section (Inch <sup>2</sup> )	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)	Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)
176	0.519	0.176	0.192	0.581	0.222	0.273	0.654

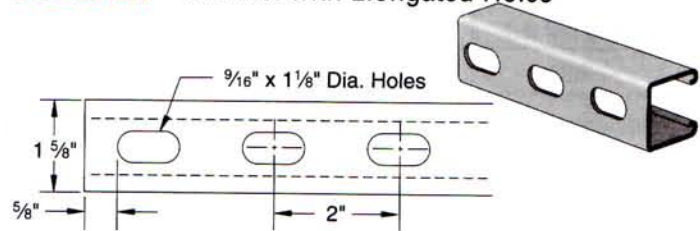
Modulus of Elasticity: 29,000,000 PSI

### PS 200 H – Channel with Holes



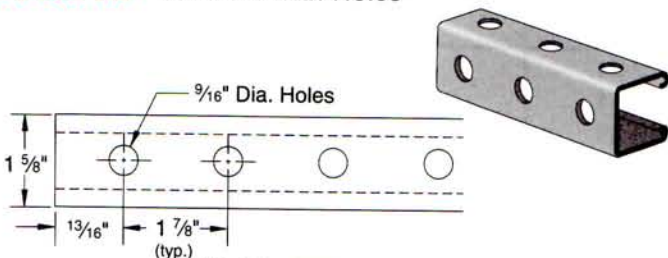
Weight: 186 lbs./100 ft.

### PS 200 EH – Channel with Elongated Holes



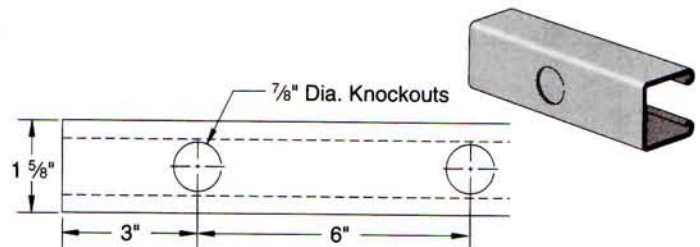
Weight: 185 lbs./100 ft.

### PS 200 H3 – Channel with Holes



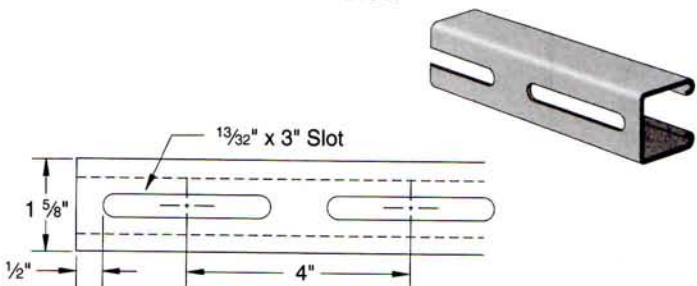
Weight: 175 lbs./100 ft.

### PS 200 K06 – Channel with Knockouts



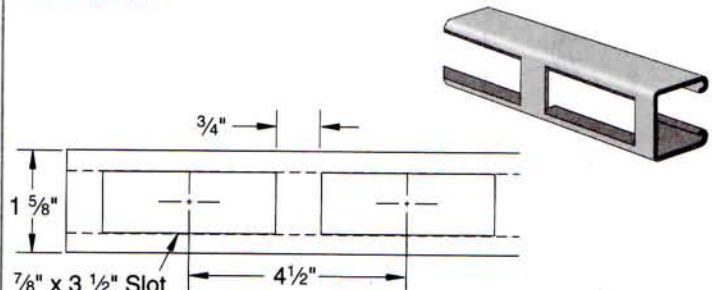
Weight: 190 lbs./100 ft.

### PS 200 S – Channel with Slots



Weight: 185 lbs./100 ft.

### PS 200 SB – Channel with Slotted Back



Weight: 173 lbs./100 ft.



General Information  
 Finish: Plain, painted green or pre-galvanized  
 Stock Length: 10' and 20', other lengths on request  
 Order By: Part No., Length & Finish



**PS 200 – Beam & Column Loads**

Span, or Column In	Max. Load of Column Loaded at C.G. (K=1.0) Lbs	Static Beam Load (X-X Axis)			
		Total Uniform Load @25,000 PSI Lbs	Deflection @25,000 PSI In	Total Uniform Load @1/240 Span Deflection Lbs	Total Uniform Load @1/360 Span Deflection Lbs
12	10,580	3,230	0.01	–	–
18	9,720	2,150	0.03	–	–
24	8,670	1,610	0.06	–	–
30	7,530	1,290	0.09	–	1,230
36	6,360	1,080	0.13	–	850
42	5,240	920	0.17	–	630
48	4,420	810	0.22	720	480
54	3,830	720	0.28	570	380
60	3,390	650	0.35	460	310
66	3,040	590	0.42	380	250
72	2,760	540	0.50	320	210
84	2,310	460	0.69	230	160
96	1,980	400	0.90	180	120
108	1,710	360	1.14	140	90
120	–	320	1.40	120	80

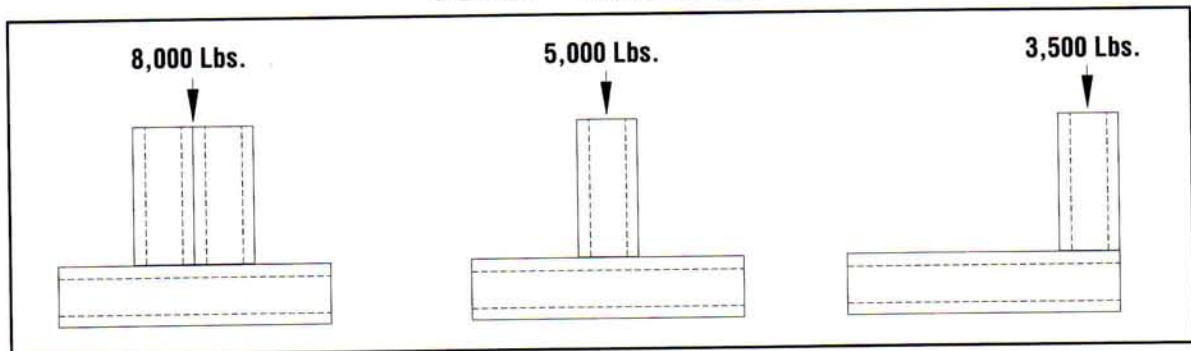
Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8. This load table is based on a solid channel section.

For Pierced Channels, reduce beam load values as follows:

- PS-200-EH 15%
- PS-200-S 15%
- PS-200-H 10%
- PS-200-KO6 5%
- PS-200-SB 30%

For Extruded Aluminum Channels, reduce beam load values 38%.

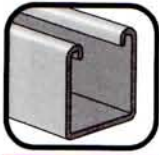
**PS 200 – Crush Loads**



**Resistance to Slip** – 1,500 lbs. per bolt when 1/2" PS NS channel nuts are used.

**Pull Out Strength** – 2,000 lbs. per bolt when 1/2" PS NS channel nuts are used.

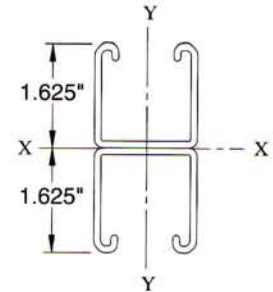
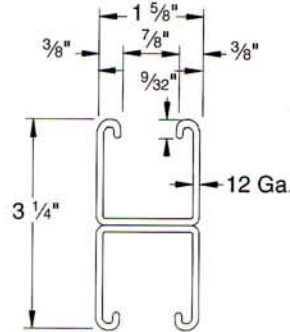
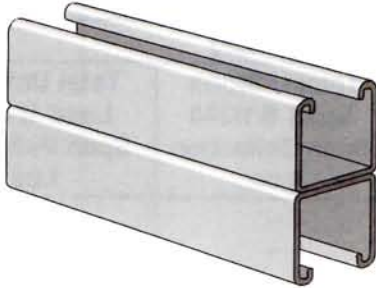
# CHANNEL



General Information  
 Finish: Plain, painted green or pre-galvanized  
 Stock Length: 10' and 20', other lengths on request  
 Order By: Part No., Length & Finish



## PS 200 2T3 – Steel Channel (1 5/8" x 3 1/4" x 12 ga.)



Modulus of Elasticity: 29,000,000 PSI

### ELEMENTS OF SECTION

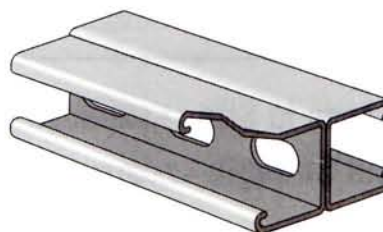
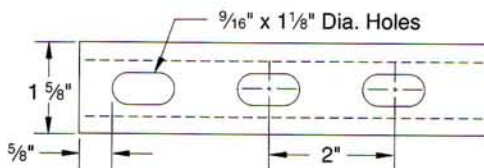
Weight (lbs./100 ft.)	Area of Section (Inch <sup>2</sup> )	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)	Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)
353	1.038	0.878	0.541	0.920	0.444	0.546	0.654

### PS 200 2T3 – Beam & Column Loads

Span, or Column In	Max. Load of Column Loaded at C.G. (K=1.0) Lbs	Static Beam Load (X-X Axis)			
		Total Uniform Load @25,000 PSI Lbs	Deflection @25,000 PSI In	Total Uniform Load @1/240 Span Deflection Lbs	Total Uniform Load @1/360 Span Deflection Lbs
12	22,430	3,130 *	0.01	–	–
18	22,090	3,130 *	0.02	–	–
24	21,610	3,130 *	0.03	–	–
30	20,990	3,130 *	0.05	–	–
36	20,230	3,020	0.07	–	–
42	19,330	2,590	0.10	–	–
48	18,300	2,270	0.13	–	–
54	17,130	2,010	0.16	–	1,900
60	15,810	1,810	0.20	–	1,540
66	14,370	1,650	0.24	–	1,270
72	12,780	1,510	0.28	–	1,070
84	9,540	1,290	0.39	1,180	780
96	7,300	1,130	0.50	900	600
108	5,770	1,010	0.64	710	470
120	4,670	910	0.79	580	380

Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8. This load table is based on a solid channel section. For pierced section, PS200 EH 2T3, reduce beam load values by 15%. \*Load limited by spot weld shear.

## PS 200 EH 2T3 – Channel with Elongated Holes

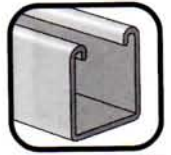


Weight:  
370 lbs./100 ft.

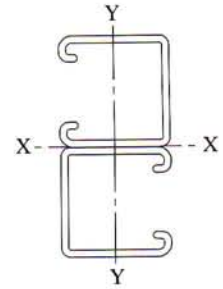
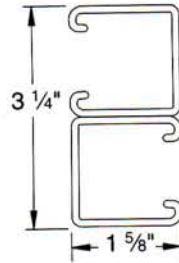
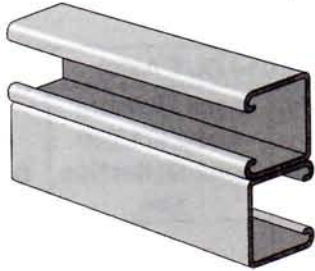


# CHANNEL

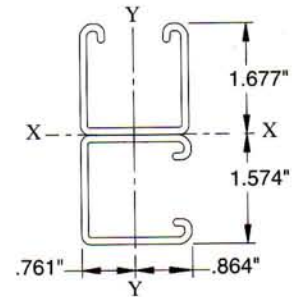
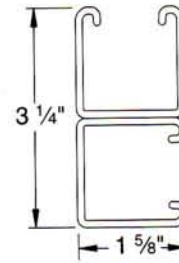
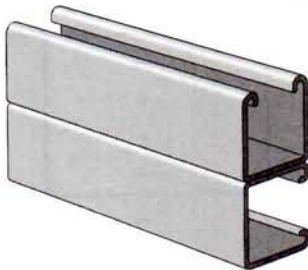
General Information  
 Finish: Plain, painted green or pre-galvanized  
 Stock Length: 10' and 20', other lengths on request  
 Order By: Part No., Length & Finish



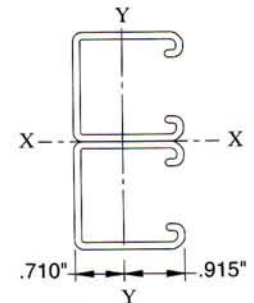
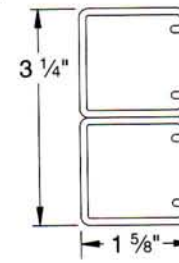
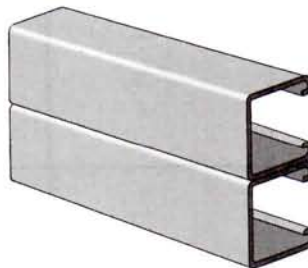
**PS 200 2T2** – Welded Steel Channel (1<sup>5</sup>/<sub>8</sub>" x 3<sup>1</sup>/<sub>4</sub>" x 12 ga.)



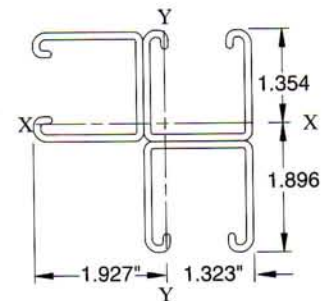
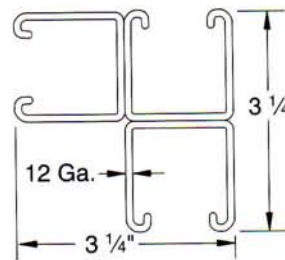
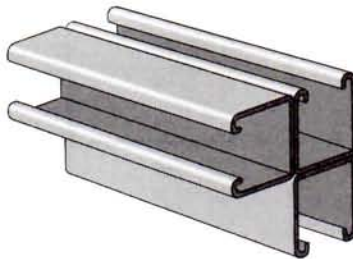
**PS 200 2T4** – Welded Steel Channel (1<sup>5</sup>/<sub>8</sub>" x 3<sup>1</sup>/<sub>4</sub>" x 12 ga.)



**PS 200 2T5** – Welded Steel Channel (1<sup>5</sup>/<sub>8</sub>" x 3<sup>1</sup>/<sub>4</sub>" x 12 ga.)



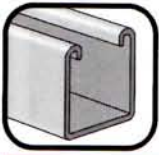
**PS 200 3T6** – Welded Steel Channel



Modulus of Elasticity: 29,000,000 PSI

## ELEMENTS OF SECTION

Part No.	Weight (lbs./100 ft.)	Area of Section (Inch <sup>2</sup> )	X-X Axis			Y-Y Axis		
			Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)	Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)
PS 200 2T2	353	1.038	1.129	0.695	1.043	0.361	0.445	0.590
PS 200 2T4	353	1.038	1.001	0.598	0.982	0.400	0.464	0.621
PS 200 2T5	353	1.038	1.129	0.695	1.043	0.351	0.385	0.581
PS 200 3T6	529	1.557	1.329	0.701	0.924	1.425	0.739	0.956



**General Information**

Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8.



**PS 200 – Beam & Column Loads**

Channel	Span, or Column In	Max. Load of Column Loaded at C.G. (K=1.0) Lbs	Static Beam Load (X-X Axis)			
			Total Uniform Load @25,000 PSI Lbs	Total Uniform Deflection @25,000 PSI In	Total Uniform Load @1/240 Span Deflection Lbs	Load @1/360 Span Deflection Lbs
PS2002T2	12	22370	3560 *	0.01	–	–
PS2002T4		21470	3350 *	0.01	–	–
PS2002T5		20860	3560 *	0.01	–	–
PS2003T6		32750	4740 *	0.01	–	–
PS2002T2	18	21950	3560 *	0.02	–	–
PS2002T4		20090	3350 *	0.02	–	–
PS2002T5		18820	3560 *	0.02	–	–
PS2003T6		31310	4740 *	0.02	–	–
PS2002T2	24	21350	3560 *	0.03	–	–
PS2002T4		18440	3350 *	0.03	–	–
PS2002T5		16340	3560 *	0.03	–	–
PS2003T6		29610	4740 *	0.03	–	–
PS2002T2	30	20590	3560 *	0.05	–	–
PS2002T4		16650	3350 *	0.05	–	–
PS2002T5		13640	3560 *	0.05	–	–
PS2003T6		27810	4700	0.04	–	–
PS2002T2	36	19660	3560 *	0.07	–	–
PS2002T4		14840	3340	0.07	–	–
PS2002T5		10890	3560 *	0.07	–	–
PS2003T6		26060	3920	0.06	–	–
PS2002T2	42	18560	3330	0.1	–	–
PS2002T4		13060	2860	0.09	–	–
PS2002T5		8850	3330	0.1	–	–
PS2003T6		24410	3360	0.08	–	–
PS2002T2	48	17290	2910	0.13	–	–
PS2002T4		11320	2510	0.12	–	–
PS2002T5		7470	2910	0.13	–	–
PS2003T6		22900	2940	0.11	–	–
PS2002T2	54	15850	2590	0.16	–	2440
PS2002T4		9840	2230	0.15	–	2160
PS2002T5		6490	2590	0.16	–	2440
PS2003T6		21530	2610	0.14	–	–

Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8.

\*Load limited by spot weld shear.



Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8.



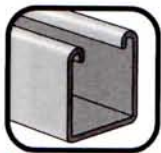
**PS 200 – Beam & Column Loads**

Channel	Span, or Column In	Max. Load of Column Loaded at C.G. (K=1.0) Lbs	Static Beam Load (X-X Axis)			
			Total Uniform Load @25,000 PSI Lbs	Total Uniform Deflection @25,000 PSI In	Total Uniform Load @1/240 Span Deflection Lbs	Load @1/360 Span Deflection Lbs
PS2002T2	60	14240	2330	0.2	–	1970
PS2002T4		8710	2000	0.19	–	1750
PS2002T5		5740	2330	0.2	–	1970
PS2003T6		20290	2350	0.17	–	2320
PS2002T2	66	12460	2120	0.24	–	1630
PS2002T4		7800	1820	0.23	–	1450
PS2002T5		5150	2120	0.24	–	1630
PS2003T6		19140	2140	0.2	–	1920
PS2002T2	72	10570	1940	0.28	–	1370
PS2002T4		7040	1670	0.27	–	1220
PS2002T5		4670	1940	0.28	–	1370
PS2003T6		18070	1960	0.24	–	1610
PS2002T2	84	7760	1660	0.39	1510	1010
PS2002T4		5820	1430	0.37	1340	890
PS2002T5		3910	1660	0.39	1510	1010
PS2003T6		16090	1680	0.33	–	1190
PS2002T2	96	5940	1460	0.5	1160	770
PS2002T4		4870	1250	0.49	1030	680
PS2002T5		3340	1460	0.5	1160	770
PS2003T6		14400	1470	0.43	1360	910
PS2002T2	108	4700	1290	0.64	910	610
PS2002T4		4100	1110	0.62	810	540
PS2002T5		2880	1290	0.64	910	610
PS2003T6		12870	1310	0.55	1080	720
PS2002T2	120	–	1170	0.79	740	490
PS2002T4		3480	1000	0.76	660	440
PS2002T5		–	1170	0.79	740	490
PS2003T6		11430	1180	0.67	870	580

Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8.

\*Load limited by spot weld shear.

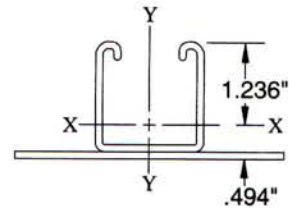
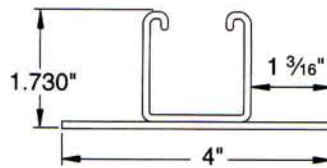
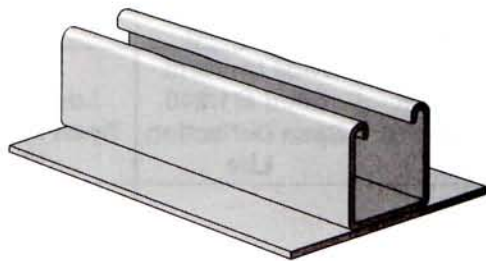
# CHANNEL



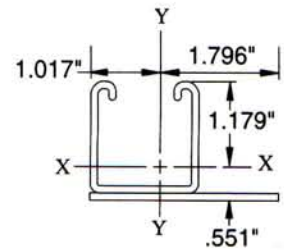
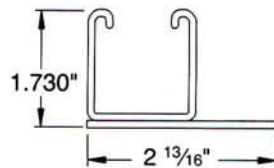
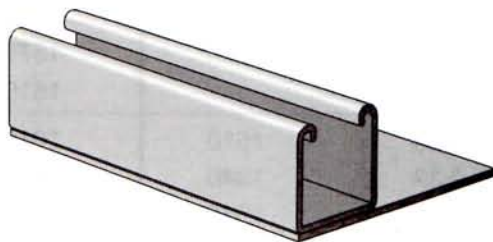
General Information  
Finish: Plain, painted green or pre-galvanized  
Stock Length: 10' and 20', other lengths on request  
Order By: Part No., Length & Finish



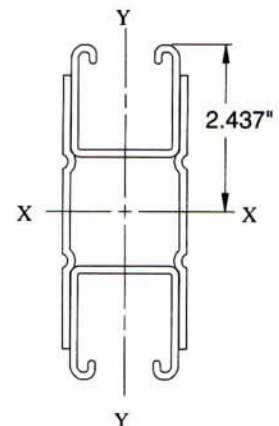
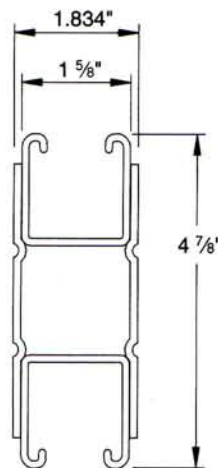
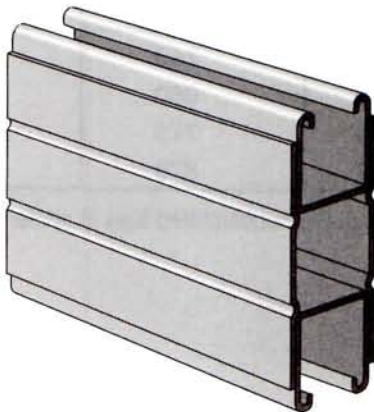
## PS 200 PLA – Welded Steel Channel and Plate



## PS 200 PLB – Welded Steel Channel and Plate



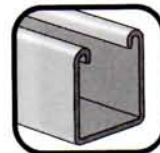
## PS 200 PLC – Welded Steel Channel and Plate







General Information  
Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8.



Modulus of Elasticity: 29,000,000 PSI

### ELEMENTS OF SECTION

Part No.	Weight (lbs./100 ft.)	Area of Section (Inch <sup>2</sup> )	X-X Axis			Y-Y Axis		
			Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)	Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)
PS 200 PLA	332	.976	.324	.261	.577	.796	.398	.903
PS 200 PLB	291	.851	.293	.249	.587	.495	.276	.763
PS 200 PLC	617	1.814	3.801	1.559	1.448	1.020	1.121	0.750

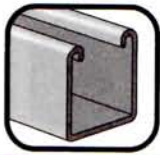
### PS 200 PLC – Beam & Column Loads

Span, or Column In	Max. Load of Column Loaded at C.G. (K=1.0) Lbs	Static Beam Load (X-X Axis)			
		Total Uniform Load @ 25,000 PSI Lbs	Deflection @ 25,000 PSI In	Total Uniform Load @ 1/240 Span Deflection Lbs	Total Uniform Load @ 1/360 Span Deflection Lbs
12	39,320	9,350 *†	0.01	–	–
18	38,860	9,350 *†	0.01	–	–
24	38,220	9,350 *†	0.02	–	–
30	37,390	9,350 *†	0.03	–	–
36	36,390	8,720 †	0.05	–	–
42	35,190	7,470 †	0.06	–	–
48	33,820	6,540 †	0.08	–	–
54	32,260	5,810 †	0.11	–	–
60	30,520	5,230 †	0.13	–	–
66	28,600	4,750	0.16	–	–
72	26,490	4,360	0.19	–	–
84	21,720	3,740	0.26	–	3,390
96	16,780	3,270	0.34	–	2,600
108	13,260	2,910	0.42	–	2,050
120	10,740	2,610	0.52	2,490	1,660

Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8. This load table is based on a solid channel section.

\*Load limited by spot weld shear. † Bearing load may govern capacity.

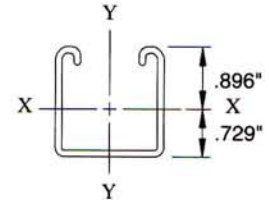
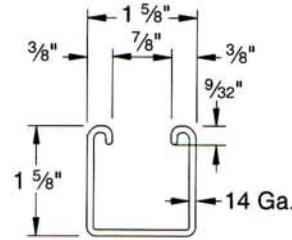
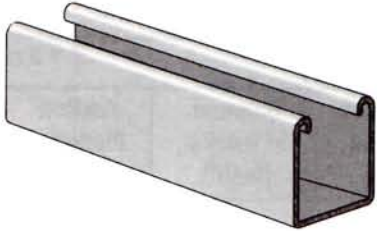
# CHANNEL



**General Information**  
 Finish: Plain, painted green or pre-galvanized  
 Stock Length: 10' and 20', other lengths on request  
 Order By: Part No., Length & Finish



## PS 210 – Steel Channel (1<sup>5</sup>/<sub>8</sub>" x 1<sup>5</sup>/<sub>8</sub>" x 14 ga.)

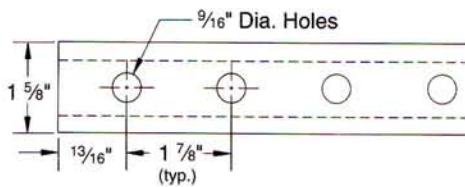
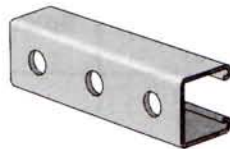


### ELEMENTS OF SECTION

Weight (lbs./100 ft.)	Area of Section (Inch <sup>2</sup> )	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)	Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)
141	.417	.149	.166	.597	.183	.225	.662

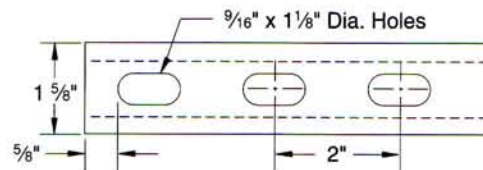
Modulus of Elasticity: 29,000,000 PSI

### PS 210 H – Channel with Holes



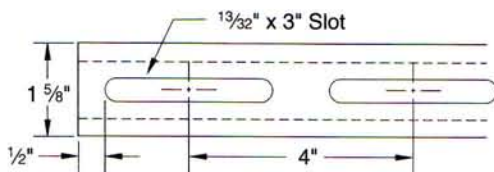
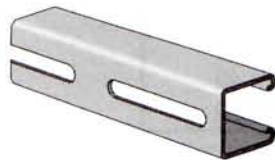
Weight: 137 lbs./100 ft.

### PS 210 EH – Channel with Elongated Holes



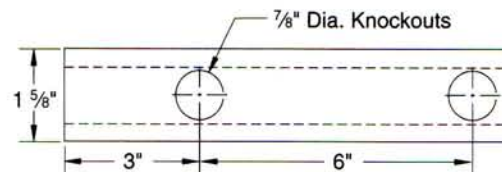
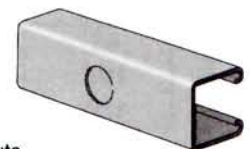
Weight: 137 lbs./100 ft.

### PS 210 S – Channel with Slots



Weight: 137 lbs./100 ft.

### PS 210 K06 – Channel with Knockouts



Weight: 141 lbs./100 ft.



General Information  
 Finish: Plain, painted green or pre-galvanized  
 Stock Length: 10' and 20', other lengths on request  
 Order By: Part No., Length & Finish



**PS 210 – Beam & Column Loads**

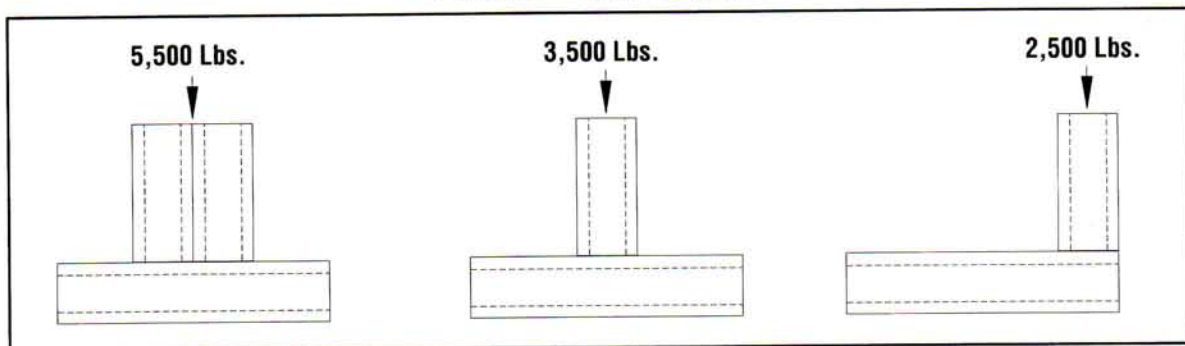
Span, or Column In	Max. Load of Column Loaded at C.G. (K=1.0) Lbs	Static Beam Load (X-X Axis)			
		Total Uniform Load @25,000 PSI Lbs	Deflection @25,000 PSI In	Total Uniform Load @1/240 Span Deflection Lbs	Total Uniform Load @1/360 Span Deflection Lbs
12	8,520	2,780	0.01	–	–
18	7,830	1,860	0.03	–	–
24	6,960	1,390	0.06	–	–
30	5,960	1,110	0.09	–	1,040
36	4,900	930	0.13	–	720
42	3,910	800	0.17	–	530
48	3,250	700	0.23	610	410
54	2,780	620	0.29	480	320
60	2,430	560	0.36	390	260
66	2,170	510	0.43	320	220
72	1,950	460	0.51	270	180
84	1,640	400	0.70	200	130
96	1,400	350	0.91	150	100
108	1,220	310	1.15	120	80
120	–	280	1.42	100	70

Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8. This load table is based on a solid channel section.

For Pierced Channels, reduce beam load values as follows:

- PS-210-EH 15%
- PS-210-S 15%
- PS-210-H 10%
- PS-210-K06 5%

**PS 210 – Crush Loads**



**Resistance to Slip** – 1,000 lbs. per bolt when 1/2" PS NS channel nuts are used.

**Pull Out Strength** – 1,400 lbs. per bolt when 1/2" PS NS channel nuts are used.

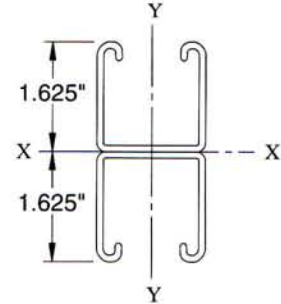
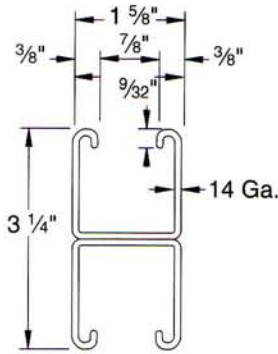
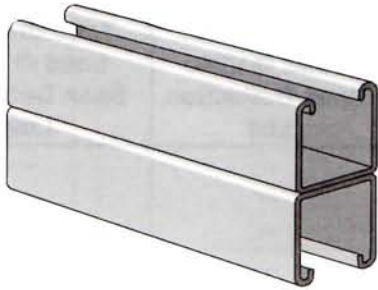
# CHANNEL



General Information  
 Finish: Plain, painted green or pre-galvanized  
 Stock Length: 10' and 20', other lengths on request  
 Order By: Part No., Length & Finish



## PS 210 2T3 – Steel Channel (1<sup>5</sup>/<sub>8</sub>" x 3<sup>1</sup>/<sub>4</sub>" x 14 ga.)



### ELEMENTS OF SECTION

Weight (lbs./100 ft.)	Area of Section (Inch <sup>2</sup> )	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)	Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)
282	.834	.741	.456	.942	.366	.451	.662

Modulus of Elasticity: 29,000,000 PSI

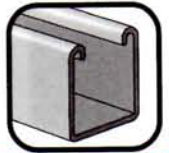
### PS 210 2T3 – Beam & Column Loads

Span, or Column In	Max. Load of Column Loaded at C.G. (K=1.0) Lbs	Static Beam Load (X-X Axis)			
		Total Uniform Load @25,000 PSI Lbs	Deflection @25,000 PSI In	Total Uniform Load @1/240 Span Deflection Lbs	Total Uniform Load @1/360 Span Deflection Lbs
12	18,030	1,850 *	0.01	–	–
18	17,760	1,850 *	0.02	–	–
24	17,380	1,850 *	0.03	–	–
30	16,890	1,850 *	0.05	–	–
36	16,300	1,850 *	0.07	–	–
42	15,600	1,850 *	0.10	–	–
48	14,780	1,850 *	0.13	–	–
54	13,870	1,700	0.16	–	1,600
60	12,840	1,530	0.20	–	1,300
66	11,700	1,390	0.24	–	1,070
72	10,460	1,270	0.28	–	900
84	7,850	1,090	0.39	990	660
96	6,010	960	0.50	760	510
108	4,750	850	0.64	600	400
120	3,850	760	0.79	490	320

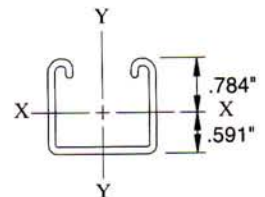
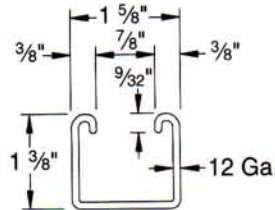
Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8. \*Load limited by spot weld shear.



General Information  
 Finish: Plain, painted green or pre-galvanized  
 Stock Length: 10' and 20', other lengths on request  
 Order By: Part No., Length & Finish



**PS 300 – Steel Channel (1 5/8" x 1 3/8" x 12 ga.)**

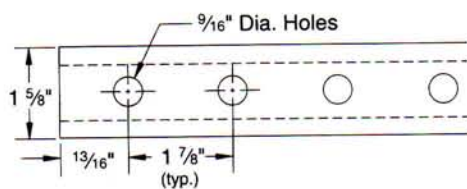
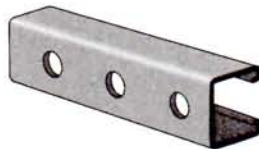


**ELEMENTS OF SECTION**

Weight (lbs./100 ft.)	Area of Section (Inch <sup>2</sup> )	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)	Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)
160	0.471	0.115	0.147	0.494	0.194	0.238	0.641

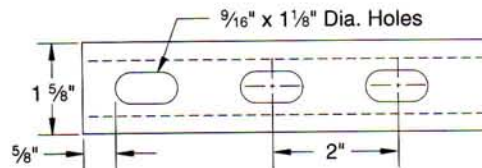
Modulus of Elasticity: 29,000,000 PSI

**PS 300 H – Channel with Holes**



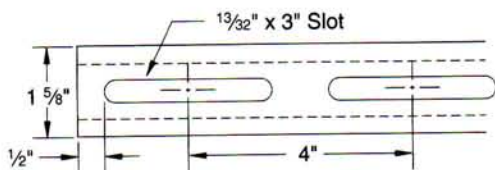
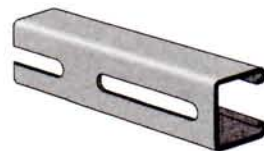
Weight: 165 lbs./100 ft.

**PS 300 EH – Channel with Elongated Holes**



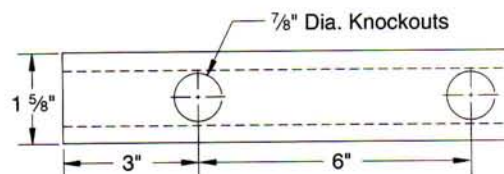
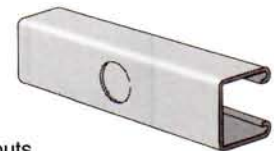
Weight: 165 lbs./100 ft.

**PS 300 S – Channel with Slots**



Weight: 165 lbs./100 ft.

**PS 300 K06 – Channel with Knockouts**



Weight: 170 lbs./100 ft.



General Information  
 Finish: Plain, painted green or pre-galvanized  
 Stock Length: 10' and 20', other lengths on request  
 Order By: Part No., Length & Finish



**PS 300 – Beam & Column Loads**

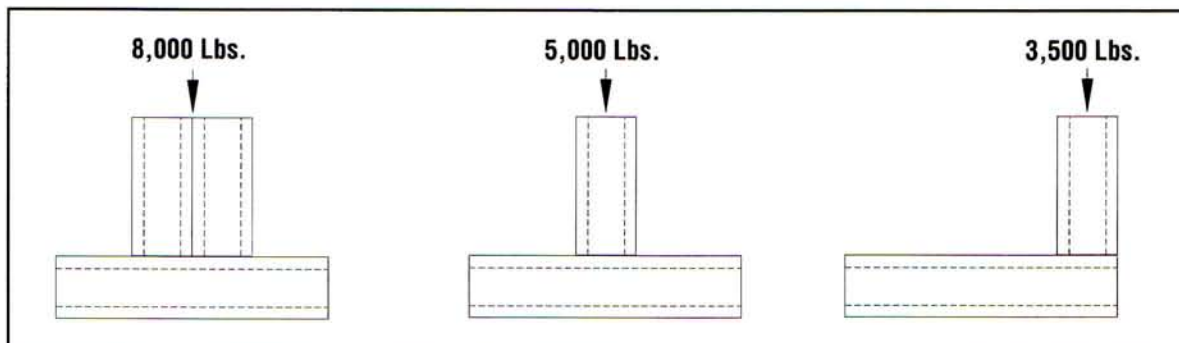
Span, or Column In	Max. Load of Column Loaded at C.G. (K=1.0) Lbs	Static Beam Load (X-X Axis)			
		Total Uniform Load @25,000 PSI Lbs	Deflection @25,000 PSI In	Total Uniform Load @1/240 Span Deflection Lbs	Total Uniform Load @1/360 Span Deflection Lbs
12	9,600	2,460	0.02	–	–
18	8,850	1,640	0.04	–	–
24	7,980	1,230	0.07	–	–
30	7,070	990	0.10	–	800
36	6,160	820	0.15	–	560
42	5,270	700	0.20	610	410
48	4,490	620	0.26	470	310
54	3,920	550	0.33	370	250
60	3,480	490	0.41	300	200
66	3,120	450	0.50	250	170
72	2,830	410	0.59	210	140
84	2,350	350	0.80	150	100
96	1,890	310	1.05	120	80
108	–	270	1.33	90	60
120	–	250	1.64	80	50

Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8. This load table is based on a solid channel section.

For Pierced Channels, reduce beam load values as follows:

- PS-300-EH 15%
- PS-300-S 15%
- PS-300-H 10%
- PS-300-K06 5%

**PS 300 – Crush Loads**



**Resistance to Slip** – 1,500 lbs. per bolt when ½" PS NS channel nuts are used.

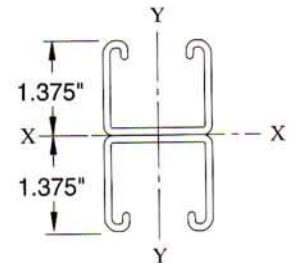
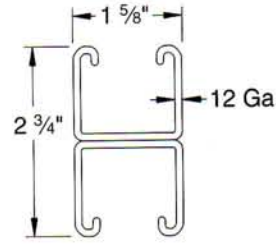
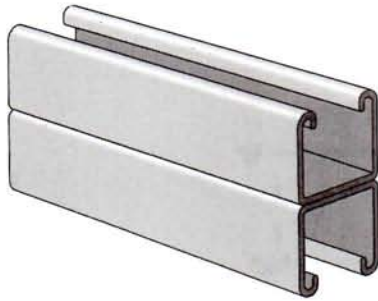
**Pull Out Strength** – 2,000 lbs. per bolt when ½" PS NS channel nuts are used.



General Information  
 Finish: Plain, painted green or pre-galvanized  
 Stock Length: 10' and 20', other lengths on request  
 Order By: Part No., Length & Finish



**PS 300 2T3 – Steel Channel (1<sup>5</sup>/<sub>8</sub>" x 2<sup>3</sup>/<sub>4</sub>" x 12 ga.)**



**ELEMENTS OF SECTION**

Weight (lbs./100 ft.)	Area of Section (Inch <sup>2</sup> )	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)	Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)
320	0.941	0.561	0.408	0.772	0.387	0.477	0.642

Modulus of Elasticity: 29,000,000 PSI

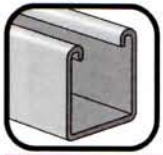
**PS 300 2T3 – Beam & Column Loads**

Span, or Column In	Max. Load of Column Loaded at C.G. (K=1.0) Lbs	Static Beam Load (X-X Axis)			
		Total Uniform Load @25,000 PSI Lbs	Deflection @25,000 PSI In	Total Uniform Load @1/240 Span Deflection Lbs	Total Uniform Load @1/360 Span Deflection Lbs
12	20,330	2,660 *	0.01	–	–
18	20,000	2,660 *	0.02	–	–
24	19,550	2,660 *	0.04	–	–
30	18,960	2,660 *	0.06	–	–
36	18,250	2,280	0.08	–	–
42	17,410	1,960	0.11	–	–
48	16,430	1,710	0.15	–	1,530
54	15,330	1,520	0.19	–	1,210
60	14,090	1,370	0.23	–	980
66	12,730	1,240	0.28	1,220	810
72	11,240	1,140	0.33	1,020	680
84	8,330	980	0.46	750	500
96	6,370	860	0.60	570	380
108	5,040	760	0.75	450	300
120	4,080	680	0.93	370	250

Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8.

\*Load limited by spot weld shear.

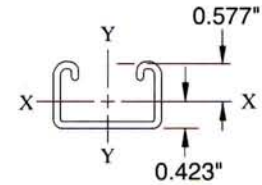
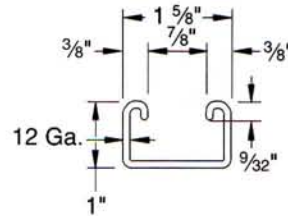
# CHANNEL



**General Information**  
 Finish: Plain, painted green or pre-galvanized  
 Stock Length: 10' and 20', other lengths on request  
 Order By: Part No., Length & Finish



## PS 400 – Steel Channel (1<sup>5</sup>/<sub>8</sub>" x 1" x 12 ga.)

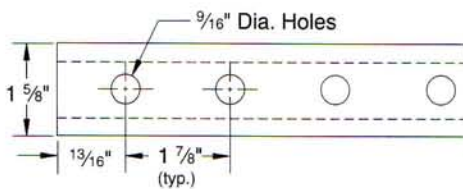
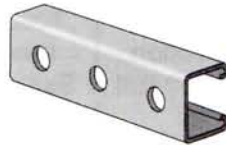


### ELEMENTS OF SECTION

Weight (lbs./100 ft.)	Area of Section (Inch <sup>2</sup> )	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)	Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)
135	0.398	0.051	0.087	0.358	0.151	0.186	0.616

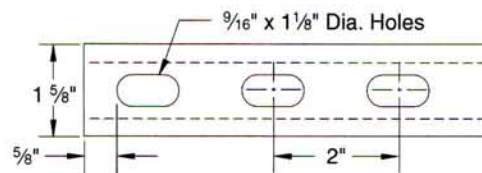
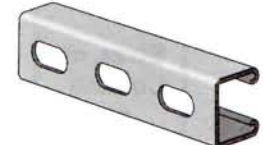
Modulus of Elasticity: 29,000,000 PSI

### PS 400 H – Channel with Holes



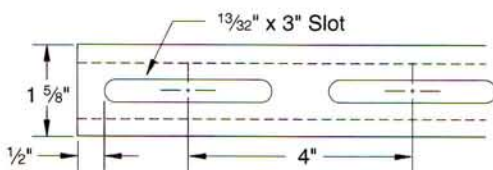
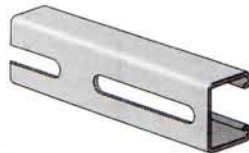
Weight: 141 lbs./100 ft.

### PS 400 EH – Channel with Elongated Holes



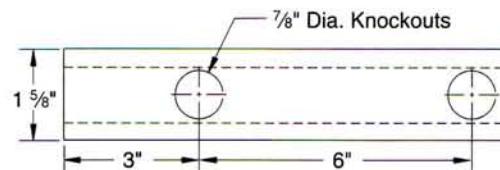
Weight: 141 lbs./100 ft.

### PS 400 S – Channel with Slots



Weight: 141 lbs./100 ft.

### PS 400 KO6 – Channel with Knockouts

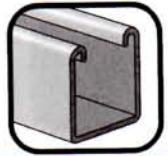


Weight: 146 lbs./100 ft.





General Information  
 Finish: Plain, painted green or pre-galvanized  
 Stock Length: 10' and 20', other lengths on request  
 Order By: Part No., Length & Finish



**PS 400 – Beam & Column Loads**

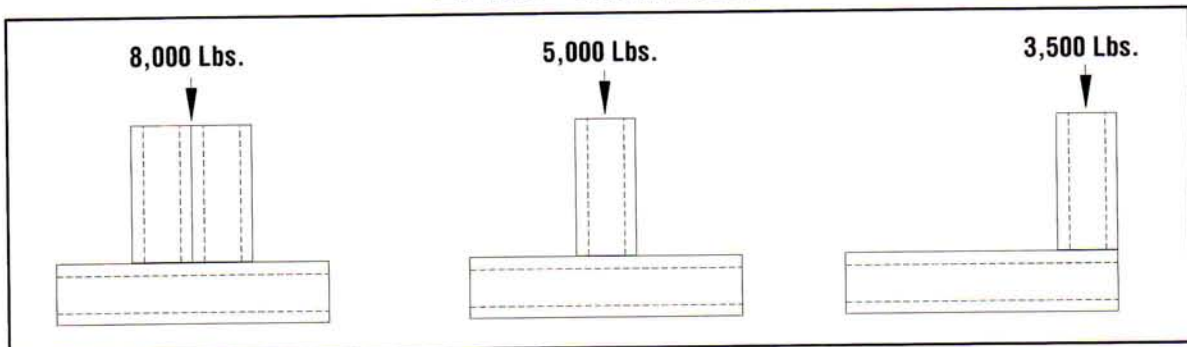
Span, or Column In	Max. Load of Column Loaded at C.G. (K=1.0) Lbs	Static Beam Load (X-X Axis)			
		Total Uniform Load @25,000 PSI Lbs	Deflection @25,000 PSI In	Total Uniform Load @1/240 Span Deflection Lbs	Total Uniform Load @1/360 Span Deflection Lbs
12	8,110	1,460	0.02	–	–
18	7,540	980	0.05	–	–
24	6,950	730	0.09	–	560
30	6,370	590	0.14	530	360
36	5,520	490	0.20	370	250
42	4,370	420	0.27	270	180
48	3,350	370	0.35	210	140
54	2,640	330	0.44	160	110
60	2,140	290	0.55	130	90
66	1,770	270	0.66	110	70
72	–	240	0.79	90	60
84	–	210	1.08	70	50
96	–	180	1.41	50	30
108	–	160	1.78	40	30
120	–	150	2.20	30	20

Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8. This load table is based on a solid channel section.

For Pierced Channels, reduce beam load values as follows:

- PS-400-EH 15%
- PS-400-S 15%
- PS-400-H 10%
- PS-400-KO6 5%

**PS 400 – Crush Loads**



**Resistance to Slip** – 1,500 lbs. per bolt when 1/2" PS NS channel nuts are used.

**Pull Out Strength** – 2,000 lbs. per bolt when 1/2" PS NS channel nuts are used.

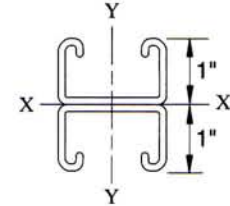
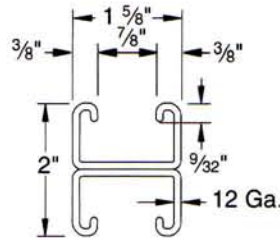
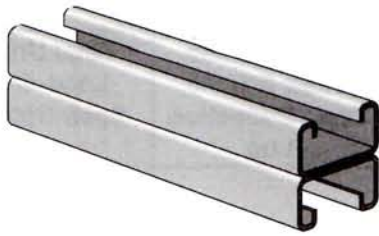
# CHANNEL



General Information  
 Finish: Plain, painted green or pre-galvanized  
 Stock Length: 10' and 20', other lengths on request  
 Order By: Part No., Length & Finish



## PS 400 2T3 – Steel Channel (1<sup>5</sup>/<sub>8</sub>" x 2" x 12 ga.)



### ELEMENTS OF SECTION

Weight (lbs./100 ft.)	Area of Section (Inch <sup>2</sup> )	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)	Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)
271	0.796	0.240	0.240	0.550	0.302	0.372	0.616

Modulus of Elasticity: 29,000,000 PSI

### PS 400 2T3 – Beam & Column Loads

Span, or Column In	Max. Load of Column Loaded at C.G. (K=1.0) Lbs	Static Beam Load (X-X Axis)			
		Total Uniform Load @25,000 PSI Lbs	Deflection @25,000 PSI In	Total Uniform Load @1/240 Span Deflection Lbs	Total Uniform Load @1/360 Span Deflection Lbs
12	17,110	1,920 *	0.01	–	–
18	16,730	1,920 *	0.03	–	–
24	16,210	1,920 *	0.05	–	–
30	15,540	1,610	0.08	–	–
36	14,710	1,340	0.12	–	1,170
42	13,740	1,150	0.16	–	860
48	12,620	1,010	0.20	990	660
54	11,350	900	0.26	780	520
60	9,930	810	0.32	630	420
66	8,370	730	0.39	520	350
72	7,030	670	0.46	440	290
84	5,170	580	0.63	320	210
96	3,960	500	0.82	250	160
108	3,130	450	1.04	190	130
120	–	400	1.28	160	110

Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8.

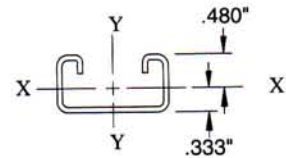
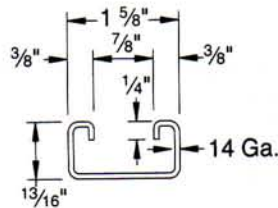
\*Load limited by spot weld shear.



General Information  
 Finish: Plain, painted green or pre-galvanized  
 Stock Length: 10' and 20', other lengths on request  
 Order By: Part No., Length & Finish



**PS 500** – Steel Channel (1 5/8" x 13/16" x 14 ga.)

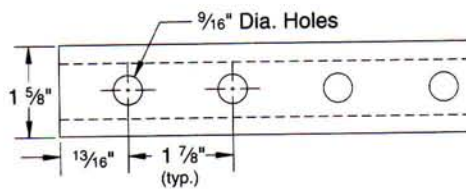
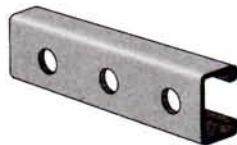


**ELEMENTS OF SECTION**

Weight (lbs./100 ft.)	Area of Section (Inch <sup>2</sup> )	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)	Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)
98	0.287	0.025	0.053	0.298	0.106	0.131	0.609

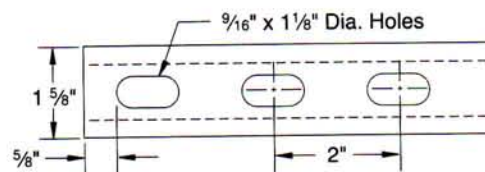
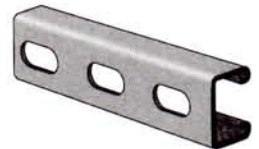
Modulus of Elasticity: 29,000,000 PSI

**PS 500 H** – Channel with Holes



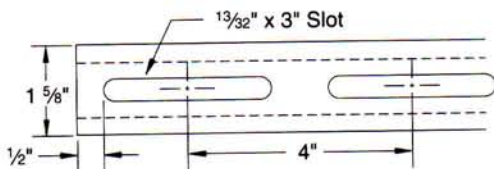
Weight: 87 lbs./100 ft.

**PS 500 EH** – Channel with Elongated Holes



Weight: 87 lbs./100 ft.

**PS 500 S** – Channel with Slots



Weight: 87 lbs./100 ft.



**General Information**  
 Finish: Plain, painted green or pre-galvanized  
 Stock Length: 10' and 20', other lengths on request  
 Order By: Part No., Length & Finish



**PS 500 – Beam & Column Loads**

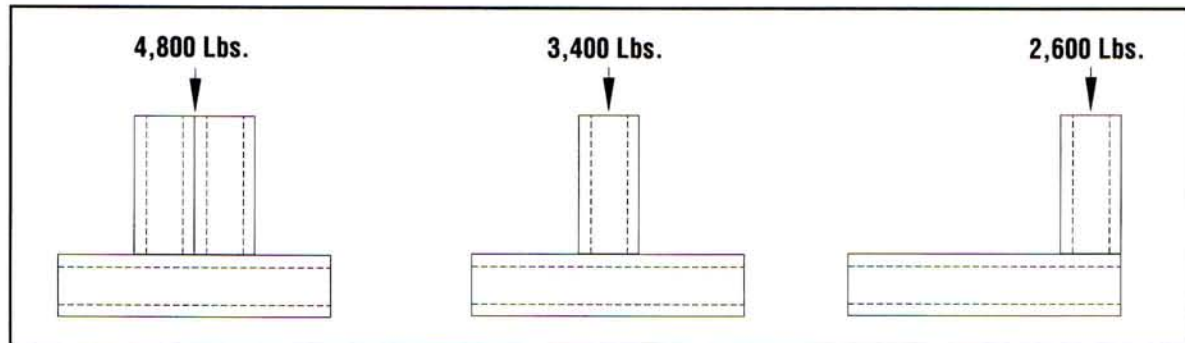
Span, or Column In	Max. Load of Column Loaded at C.G. (K=1.0) Lbs	Static Beam Load (X-X Axis)			
		Total Uniform Load @25,000 PSI Lbs	Deflection @25,000 PSI In	Total Uniform Load @ 1/240 Span Deflection Lbs	Total Uniform Load @ 1/360 Span Deflection Lbs
12	5,860	890	0.03	–	–
18	5,450	590	0.06	–	490
24	4,810	440	0.11	410	270
30	3,980	360	0.17	260	170
36	2,980	300	0.24	180	120
42	2,190	250	0.33	130	90
48	1,680	220	0.43	100	70
54	1,330	200	0.55	80	50
60	–	180	0.68	70	40
66	–	160	0.82	50	40
72	–	150	0.98	50	30
84	–	130	1.33	30	20
96	–	110	1.74	30	20
108	–	100	2.20	20	10
120	–	90	2.71	20	10

Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8. This load table is based on a solid channel section.

For Pierced Channels, reduce beam load values as follows:

- PS-500-EH 15%
- PS-500-S 15%
- PS-500-H 10%

**PS 500 – Crush Loads**

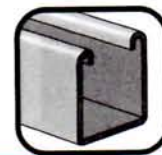


**Resistance to Slip** – 1,000 lbs. per bolt when ½" PS NS channel nuts are used.

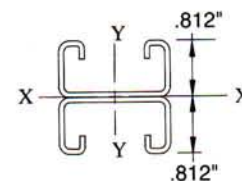
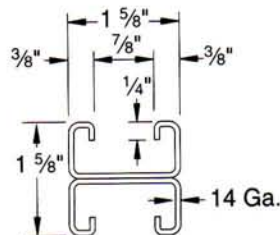
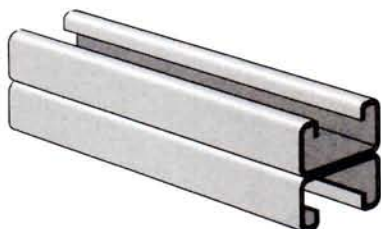
**Pull Out Strength** – 1,400 lbs. per bolt when ½" PS NS channel nuts are used.



General Information  
 Finish: Plain, painted green or pre-galvanized  
 Stock Length: 10' and 20', other lengths on request  
 Order By: Part No., Length & Finish



**PS 500 2T3 – Steel Channel (1<sup>5</sup>/<sub>8</sub>" x 1<sup>5</sup>/<sub>8</sub>" x 14 ga.)**



**ELEMENTS OF SECTION**

Weight (lbs./100 ft.)	Area of Section (Inch <sup>2</sup> )	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)	Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)
195	0.574	0.114	0.141	0.447	0.212	0.261	0.609

Modulus of Elasticity: 29,000,000 PSI

**PS 500 2T3 – Beam & Column Loads**

Span, or Column In	Max. Load of Column Loaded at C.G. (K=1.0) Lbs	Static Beam Load (X-X Axis)			
		Total Uniform Load @25,000 PSI Lbs	Deflection @25,000 PSI In	Total Uniform Load @1/240 Span Deflection Lbs	Total Uniform Load @1/360 Span Deflection Lbs
12	12,230	910 *	0.02	–	–
18	11,820	910 *	0.04	–	–
24	11,250	910 *	0.06	–	–
30	10,520	910 *	0.10	–	800
36	9,620	790	0.14	–	550
42	8,560	680	0.19	610	410
48	7,330	590	0.25	470	310
54	5,960	530	0.32	370	250
60	4,830	470	0.40	300	200
66	3,990	430	0.48	250	160
72	3,350	390	0.57	210	140
84	2,460	340	0.78	150	100
96	–	300	1.01	120	80
108	–	260	1.28	90	60
120	–	240	1.58	70	50

Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8.

\*Load limited by spot weld shear.

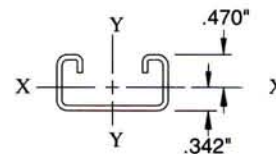
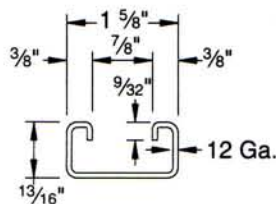
# CHANNEL



**General Information**  
 Finish: Plain, painted green or pre-galvanized  
 Stock Length: 10' and 20', other lengths on request  
 Order By: Part No., Length & Finish



## PS 520 – Steel Channel (1 5/8" x 1 3/16" x 12 ga.)

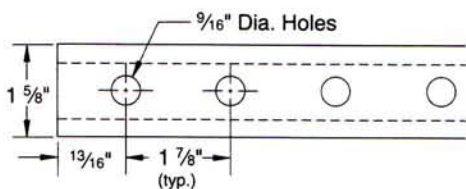


### ELEMENTS OF SECTION

Weight (lbs./100 ft.)	Area of Section (Inch <sup>2</sup> )	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)	Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)
123	0.361	0.030	0.062	0.286	0.130	0.160	0.599

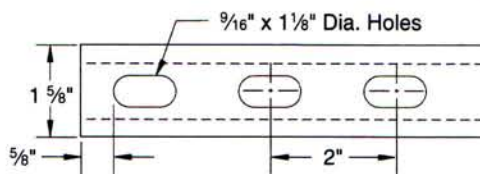
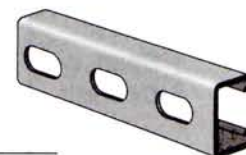
Modulus of Elasticity: 29,000,000 PSI

## PS 520 H – Channel with Holes



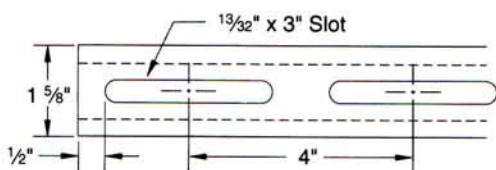
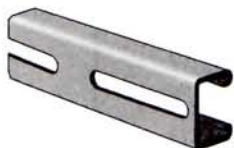
Weight: 123 lbs./100 ft.

## PS 520 EH – Channel with Elongated Holes



Weight: 123 lbs./100 ft.

## PS 520 S – Channel with Slots



Weight: 118 lbs./100 ft.



General Information  
 Finish: Plain, painted green or pre-galvanized  
 Stock Length: 10' and 20', other lengths on request  
 Order By: Part No., Length & Finish



**PS 520 – Beam & Column Loads**

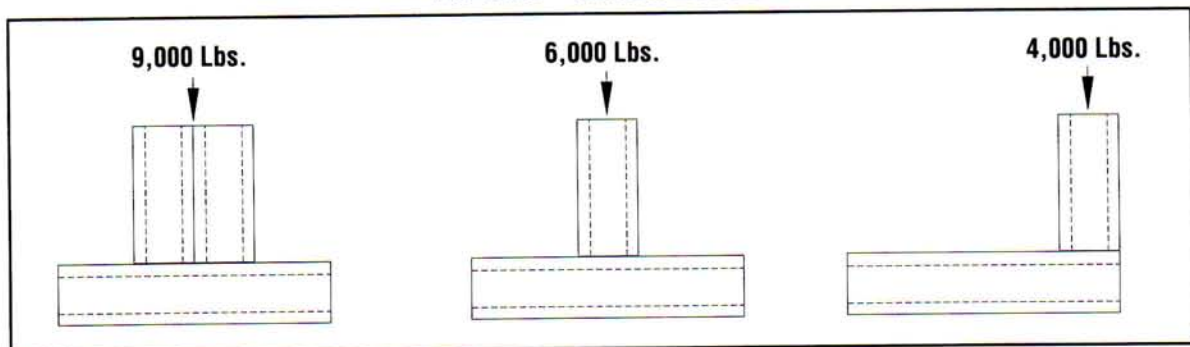
Span, or Column In	Max. Load of Column Loaded at C.G. (K=1.0) Lbs	Static Beam Load (X-X Axis)			
		Total Uniform Load @25,000 PSI Lbs	Deflection @25,000 PSI In	Total Uniform Load @1/240 Span Deflection Lbs	Total Uniform Load @1/360 Span Deflection Lbs
12	7,360	1,030	0.03	–	–
18	6,780	690	0.06	–	580
24	5,900	520	0.11	490	320
30	4,770	410	0.17	310	210
36	3,470	340	0.24	220	140
42	2,550	290	0.33	160	110
48	1,950	260	0.43	120	80
54	1,540	230	0.54	100	60
60	–	210	0.66	80	50
66	–	190	0.80	60	40
72	–	170	0.96	50	40
84	–	150	1.30	40	30
96	–	130	1.70	30	20
108	–	110	2.15	20	20
120	–	100	2.66	20	10

Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8. This load table is based on a solid channel section.

For Pierced Channels, reduce beam load values as follows:

- PS-520-EH 15%
- PS-520-S 15%
- PS-520-H 10%

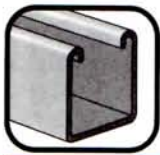
**PS 520 – Crush Loads**



**Resistance to Slip** – 1,500 lbs. per bolt when ½" PS NS channel nuts are used.

**Pull Out Strength** – 1,500 lbs. per bolt when ½" PS NS channel nuts are used.

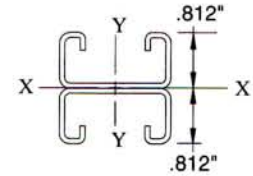
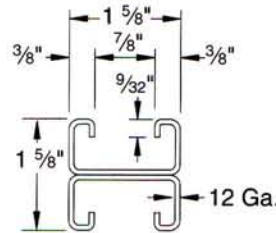
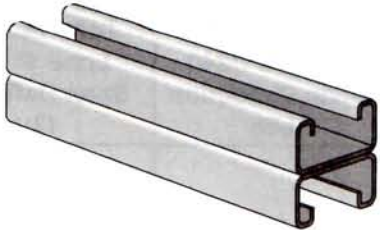
# CHANNEL



General Information  
 Finish: Plain, painted green or pre-galvanized  
 Stock Length: 10' and 20', other lengths on request  
 Order By: Part No., Length & Finish



## PS 520 2T3 – Steel Channel (1<sup>5</sup>/<sub>8</sub>" x 1<sup>5</sup>/<sub>8</sub>" x 12 ga.)



### ELEMENTS OF SECTION

Weight (lbs./100 ft.)	Area of Section (Inch <sup>2</sup> )	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)	Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)
246	0.723	0.139	0.171	0.438	0.260	0.320	0.599

Modulus of Elasticity: 29,000,000 PSI

### PS 520 2T3 – Beam & Column Loads

Span, or Column In	Max. Load of Column Loaded at C.G. (K=1.0) Lbs	Static Beam Load (X-X Axis)			
		Total Uniform Load @25,000 PSI Lbs	Deflection @25,000 PSI In	Total Uniform Load @1/240 Span Deflection Lbs	Total Uniform Load @1/360 Span Deflection Lbs
12	15,390	1,520 *	0.02	–	–
18	14,850	1,520 *	0.04	–	–
24	14,100	1,430	0.06	–	–
30	13,140	1,140	0.10	–	970
36	11,960	950	0.14	–	670
42	10,570	820	0.19	740	490
48	8,960	720	0.25	570	380
54	7,210	640	0.32	450	300
60	5,840	570	0.39	360	240
66	4,820	520	0.48	300	200
72	4,050	480	0.57	250	170
84	2,980	410	0.77	190	120
96	–	360	1.01	140	90
108	–	320	1.27	110	70
120	–	290	1.57	90	60

Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8.

\*Load limited by spot weld shear.

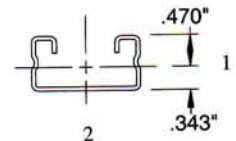
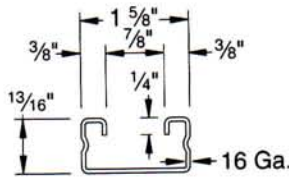
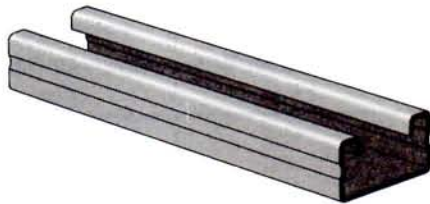




General Information  
 Finish: Plain, painted green or pre-galvanized  
 Stock Length: 10' and 20', other lengths on request  
 Order By: Part No., Length & Finish



**PS 560** – Steel Channel ( $1\frac{5}{8}'' \times 1\frac{3}{16}'' \times 16$  ga.)

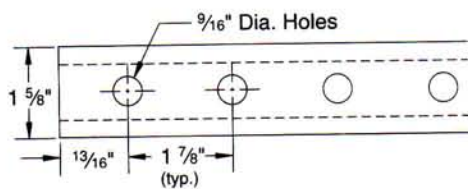


**ELEMENTS OF SECTION**

Weight (lbs./100 ft.)	Area of Section (Inch <sup>2</sup> )	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)	Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)
81	0.239	0.023	0.048	0.308	0.091	0.112	0.617

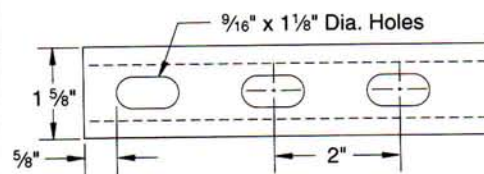
Modulus of Elasticity: 29,000,000 PSI

**PS 560 H** – Channel with Holes



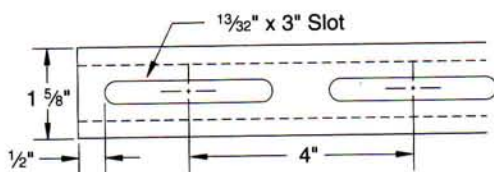
Weight: 79 lbs./100 ft.

**PS 560 EH** – Channel with Elongated Holes



Weight: 79 lbs./100 ft.

**PS 560 S** – Channel with Slots



Weight: 79 lbs./100 ft.



**PS 560 – Beam & Column Loads**

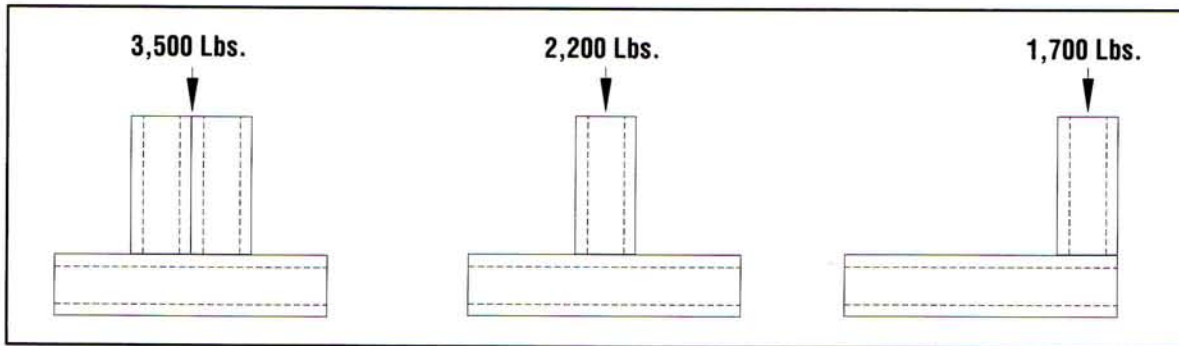
Span, or Column In	Max. Load of Column Loaded at C.G. (K=1.0) Lbs	Static Beam Load (X-X Axis)			
		Total Uniform Load @25,000 PSI Lbs	Deflection @25,000 PSI In	Total Uniform Load @1/240 Span Deflection Lbs	Total Uniform Load @1/360 Span Deflection Lbs
12	4,820	800	0.03	–	–
18	4,320	540	0.06	–	450
24	3,610	400	0.11	380	250
30	2,700	320	0.17	240	160
36	1,880	270	0.24	170	110
42	1,380	230	0.33	120	80
48	1,060	200	0.43	90	60
54	830	180	0.54	70	50
60	680	160	0.67	60	40
66	–	150	0.81	50	30
72	–	130	0.96	40	30
84	–	110	1.31	30	20
96	–	100	1.71	20	20
108	–	90	2.16	20	10
120	–	80	2.67	20	10

Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8.

For Pierced Channels, reduce beam load values as follows:

- PS-520-EH 15%
- PS-520-S 15%
- PS-520-H 10%

**PS560 – Crush Loads**

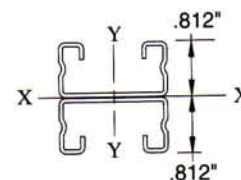
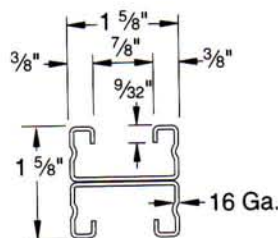


**Resistance to Slip** – 1,000 lbs. per bolt when ½" PS NS channel nuts are used.

**Pull Out Strength** – 1,000 lbs. per bolt when ½" PS NS channel nuts are used.



**PS 560 2T3 – Steel Channel (1<sup>5</sup>/<sub>8</sub>" x 1<sup>5</sup>/<sub>8</sub>" x 16 ga.)**



**ELEMENTS OF SECTION**

Weight (lbs./100 ft.)	Area of Section (Inch <sup>2</sup> )	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)	Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)
163	0.478	0.101	0.125	0.460	0.182	0.224	0.617

Modulus of Elasticity: 29,000,000 PSI

**PS 560 2T3 – Beam & Column Loads**

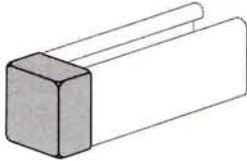
Span, or Column In	Max. Load of Column Loaded at C.G. (K=1.0) Lbs	Static Beam Load (X-X Axis)			
		Total Uniform Load @25,000 PSI Lbs	Deflection @25,000 PSI In	Total Uniform Load @1/240 Span Deflection Lbs	Total Uniform Load @1/360 Span Deflection Lbs
12	10,200	690 *	0.02	–	–
18	9,880	690 *	0.04	–	–
24	9,430	690 *	0.06	–	–
30	8,850	690 *	0.10	–	*690
36	8,150	690 *	0.14	–	490
42	7,310	600	0.19	540	360
48	6,350	520	0.25	410	280
54	5,260	470	0.32	330	220
60	4,260	420	0.40	260	180
66	3,520	380	0.48	220	150
72	2,960	350	0.57	180	120
84	2,170	300	0.78	140	90
96	–	260	1.01	100	70
108	–	230	1.28	80	50
120	–	210	1.58	70	40

Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8.

\*Load limited by spot weld shear.

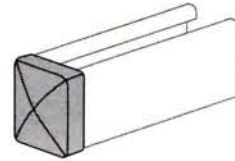


**PS 6153** – Strut Safety End Cap  
(For OSHA Req'd End of Hand Rail)



Part No.	Use With	Wt./ 100 pcs.
PS-6153-1	PS-100	5.0
PS-6153-2	PS-200,PS-210	2.8
PS-6153-3	PS-300	2.5
PS-6153-5	PS-500, PS-520, PS560	2.0

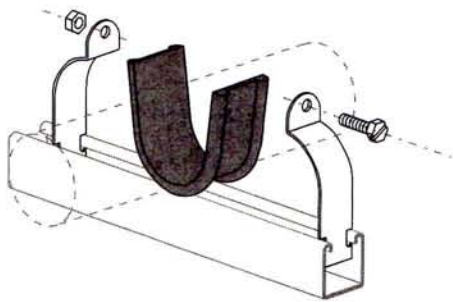
**PS 6152** – Decorative End Cap



Finish: Electro-galvanized  
Use With: PS-200, PS-210  
Weight: 10 lbs./100 pcs.

Material: Red Colored PVC

**PS 3792** – Power-Wrap™



Material: EPDM  
Stock Thickness: 1/8"  
Stock Length: 25 ft./box  
Service Temp: -70° to 350°F  
Weight: 253 lbs./100 boxes

**PS 9050** – Green Touch-up Spray Paint

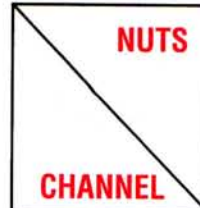
































































Weight: 75 lbs./100 cans





**CHANNEL NUT SELECTION CHART**

 <b>NUTS</b>  <b>CHANNEL</b>	 <b>PS LS</b>	 <b>PS SS</b>	 <b>PS RS</b>	 <b>PS NS</b>	 <b>PS NS S</b>	 <b>PS 517</b>	 <b>PS TG</b>	 <b>PS 3281</b>	 <b>PS 3500</b>
	 <b>PS100</b>								
 <b>PS 150</b>									
 <b>PS 200</b>									
 <b>PS 210</b>									
 <b>PS 300</b>									
 <b>PS 400</b>									
 <b>PS 500</b>									
 <b>PS 520</b>									
 <b>PS 560</b>									

 Indicates Nuts To Be Used With The Channel



General Information

Standard Finish: Electro-galvanized  
Order By: Part No., Size & Finish



**PS 6024 – Hex Head Cap Screw**



Size	Wt./ 100 pcs
1/4 x 3/4"	1.5
1/4 x 1"	1.8
1/4 x 1 1/4"	2.1
1/4 x 1 1/2"	2.4
3/8 x 3/4"	3.6
3/8 x 1"	4.2
3/8 x 1 1/4"	4.9
3/8 x 1 1/2"	5.6
3/8 x 2"	7.2
1/2 x 3/4"	8.1
1/2 x 1"	9.2
1/2 x 1 1/4"	10.4
1/2 x 1 1/2"	11.6
1/2 x 1 3/4"	13.0
1/2 x 2"	14.4

**PS 6072 – Round Head Machine Screw**



Size	Wt./ 100 pcs
1/4 x 3/4"	1.3
1/4 x 1"	1.6
1/4 x 1 1/4"	1.9
3/8 x 1"	4.4
3/8 x 1 1/4"	5.0
3/8 x 1 1/2"	5.6

**PS 6075 – Slotted Hex Head Machine Screw**



Size	Wt./ 100 pcs
1/4 x 3/4"	1.7
5/16 x 1"	2.6
5/16 x 1 1/4"	3.0
5/16 x 1 1/2"	3.4
3/8 x 1 1/4"	5.3

**PS 6108 – Square Nut**



Size	Wt./ 100 pcs
1/4"	.9
5/16"	1.6
3/8"	2.6
1/2"	5.8

# FASTENERS



## General Information

Standard Finish: Electro-galvanized  
Order By: Part No., Size & Finish



### PS 6064 – Square Head Cone Point Set Screw



Size	Wt./ 100 pcs
3/8" x 1 1/2"	4.5
3/8" x 2"	6.1
1/2" x 1 1/2"	8.5
1/2" x 2"	11.4

### PS 146 – Continuous Threaded Rod

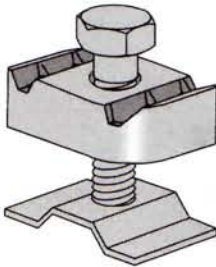


Rod Size	Load Rating Lbs.	Wt./100 pcs.	
		6' Lengths	10' Lengths
1/4"	240	73	121
3/8"	610	175	292
1/2"	1,130	319	531
5/8"	1,810	504	840
3/4"	2,710	740	1,234

Finish: Plain or electro-galvanized

Standard Length: 6' or 10'; Other lengths available

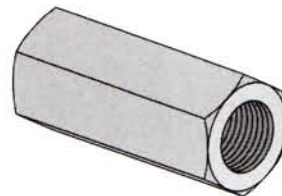
### PS 3500 3/8"-5/8" – Seismic Rod Stiffener



Hanger rod stiffener assembly for 3/8" thru 5/8" threaded rod.

Part No.	Wt./ 100 pcs
PS 3500 3/8"-5/8"	16

### PS 135 – Rod Coupling



Rod Size	Load Rating lbs.	Wt./ 100 pcs.
1/4"	240	2
3/8"	610	9
1/2"	1,130	10
5/8"	1,810	18
3/4"	2,710	28





General Information

Standard Finish: Electro-galvanized  
Order By: Part No., Size & Finish



**PS 83 – Hexagon Nut**



Size	Wt./ 100 pcs
1/4"	0.7
3/8"	1.6
1/2"	3.8
5/8"	7.3
3/4"	11.9

Finish: Plain or electro-galvanized

**PS 230 – Fender Washer**



Size	Outside Diameter	Wt./ 100 pcs
1/4"	1 1/2"	3.3
3/8"	1 1/2"	3
1/2"	1 1/2"	2.8

**PS 209 – Flat Washer**



Size	Outside Diameter	Wt./ 100 pcs
1/4"	3/4"	0.7
3/8"	1"	1.5
1/2"	1 3/8"	3.9
5/8"	1 3/4"	7.7
3/4"	2"	11

**PS 211 – Lock Washer**



Size	Wt./ 100 pcs
1/4"	0.3
3/8"	0.7
1/2"	1.5

# FASTENERS

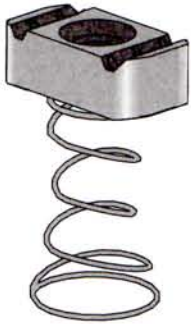


## General Information

Standard Finish: Electro-galvanized  
Order By: Part No., Size & Finish



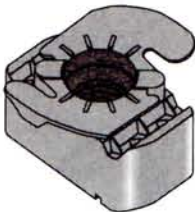
### PS LS – Clamping Nut with Long Spring



Size	Threads	Wt./ 100 pcs
1/4"	20	7.5
3/8"	16	10.2
1/2"	13	12.3
5/8"	11	15.8
3/4"	10	14.1

Use With: PS 100 and PS 150 Channel.

### PS TG – Top Grip™ Nut



Part No.	Size	Threads	Wt./ 100 pcs
PSTG 1/4	1/4"	20	7
PSTG 3/8	3/8"	16	10
PSTG 1/2*	1/2"	13	8

Use With: All 1 5/8" Channel.

\*PS TG 1/2" nut has a 3/8" body thickness

### PS RS – Clamping Nut with Regular Spring



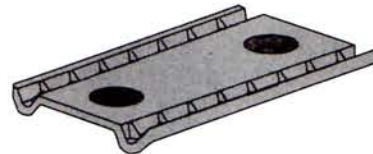
Size	Threads	Wt./ 100 pcs
#8-32	32	7.2
#10-24	24	7.2
#10-32	32	7.2
1/4"	20	7.1
5/16"	18	7
3/8"	16	9.9
1/2"	13	11.9



Size	Threads	Wt./ 100 pcs
5/8"	11	15.5
3/4"	10	13.8
7/8"	9	14.3

Use With: PS 200, PS 210 and PS 300 Channel.

### PS 3281 – Double Conveyor Adjusting Nut



Size	Threads	Wt./ 100 pcs
3/8"	16	17.5

Use With: All 1 5/8" channel.



General Information

Standard Finish: Electro-galvanized  
Order By: Part No., Size & Finish



**PS SS** – Clamping Nut with Short Spring



Size	Threads	Wt./ 100 pcs
#8-32	32	7.0
#10-24	24	7.0
#10-32	32	7.0
1/4"	20	6.9
5/16"	18	6.7
3/8"	16	9.6
1/2"	13*	8.8
5/8"	11*	11.5
3/4"	10*	10.0

Use With: PS 400, PS 500 and PS 520 channel.  
\*PSSS 1/2" and PSSS 5/8" nuts have 3/8" body thickness.

**PS 517** – Channel Nut with Stud



Size	Wt./ 100 pcs
1/4" x 1"	8.1
1/4" x 1 1/4"	8.3
1/4" x 1 1/2"	8.6
1/4" x 2"	9.1
3/8" x 1"	13.0
3/8" x 1 1/4"	14.0
3/8" x 1 1/2"	14.0
3/8" x 2"	15.0
1/2" x 1"	15.0
1/2" x 1 1/4"	16.0
1/2" x 1 1/2"	17.0
1/2" x 2"	19.0

Use With: PS 200, PS 210 and PS 300 channel.

**PS NS** – Clamping Nut without Spring



Size	Threads	Wt./ 100 pcs
#8-32	32	8.0
#10-32	32	6.6
#10-24	24*	6.7
1/4"	20*	6.6
5/16"	18*	6.4
3/8"	16*	9.3
1/2"	13	11.4



Size	Threads	Wt./ 100 pcs
5/8"	11	15.2
3/4"	10	13.0
7/8"	9	14.0

Use With: PS 100, PS 150, PS 200, PS 210 and PS 300 channel.  
\*Can be used with PS 400, PS 500 and PS 520 channel.

**PS NS S** – Shallow Clamping Nut without Spring



Size	Threads	Wt./ 100 pcs
1/2"	13	6.9
5/8"	11	9.7
3/4"	10	8.4

Use With: PS 500 and PS 520 channel.

# FASTENERS

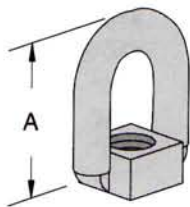


General Information

Standard Finish: Electro-galvanized  
Order By: Part No., Size & Finish

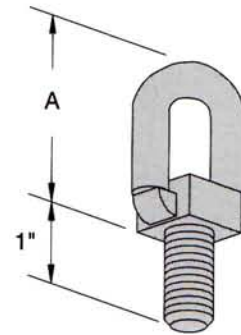


## PS 202 – Eyelet



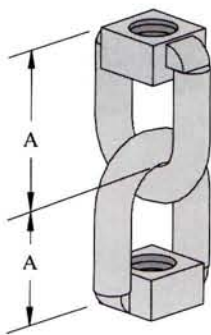
Rod Size	A	Stock Dia.	Load Rating lbs.	Wt./ 100 pcs
3/8"	1 3/4"	3/8"	610	15
1/2"	1 3/4"	3/8"	610	18

## PS 205 – Eyelet with Stud



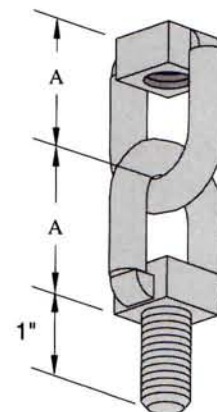
Rod Size	A	Stock Dia.	Load Rating lbs.	Wt./ 100 pcs
3/8"	1 13/16"	3/8"	610	16
1/2"	1 3/4"	3/8"	610	20

## PS 204 – Linked Eyelets



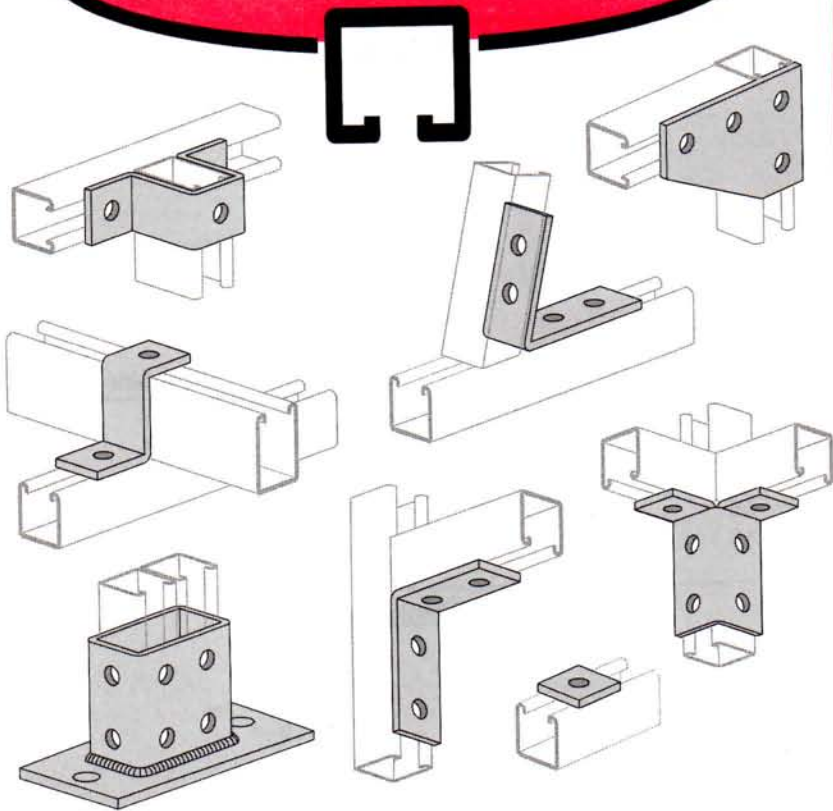
Rod Size	A	Stock Dia.	Load Rating lbs.	Wt./ 100 pcs
3/8"	1 7/16"	3/8"	610	23
1/2"	1 3/8"	3/8"	610	32

## PS 203 – Linked Eyelet with Stud

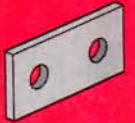


Rod Size	A	Stock Dia.	Load Rating lbs.	Wt./ 100 pcs
3/8"	1 7/16"	3/8"	610	27
1/2"	1 3/8"	3/8"	610	45

# POWER-STRUT®



## FITTINGS



*Power-Strut has a wide variety of Fittings to meet all of your application requirements*

### **MATERIAL:**

All Power-Strut fittings are formed in punch press dies from mild, pickled and oiled, bar or strip steel. Plain or electro-galvanized fittings meet the requirements for ASTM A-575 and A-576, or ASTM A-36.

### **STANDARD DIMENSIONS:**

Standard dimensions on all fittings are as follows except where otherwise indicated:

Fitting Thickness:  $\frac{1}{4}$ "

Fitting Width:  $1\frac{5}{8}$ "

Hole Diameter:  $\frac{9}{16}$ "

Hole Spacing:  $1\frac{7}{8}$ " on centers and  $1\frac{3}{16}$ " from ends.

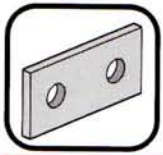
### **STANDARD FINISH:**

All Power-Strut fittings are available in painted green or electro-galvanized finish.

### **ORDERING INFORMATION:**

When ordering, add the length or size and finish to the part number. See pages 4 - 6 for finish abbreviations and an example.

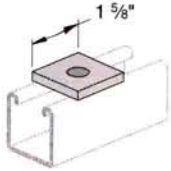
# FLAT PLATE FITTINGS



**General Information**  
 Stock Width: 1 5/8", Fitting Thickness: 1/4"  
 Finish: Painted green or electro-galvanized  
 Hole Diameter: 9/16"  
 Hole Spacing: 1 3/16" from end, 1 7/8" on center  
 Order By: Part No., Size & finish



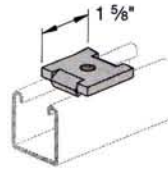
## PS 619 – Square Washer



Note: Indicate rod size when ordering.  
 For example, PS 619 1/2.

Rod Size	Hole Size	Wt./ 100 pcs
1/4"	11/32"	18
3/8"	7/16"	18
1/2"	9/16"	17
5/8"	11/16"	16
3/4"	13/16"	15

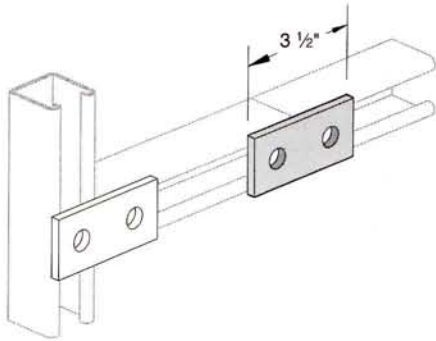
## PS 2504 – Guided Square Washer



Note: Indicate rod size when ordering.  
 For example, PS 2504 1/2.

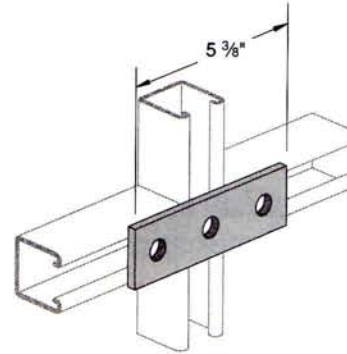
Rod Size	Hole Size	Wt./ 100 pcs
1/4"	11/32"	18
3/8"	7/16"	18
1/2"	9/16"	17

## PS 601 – Two-Hole Splice Plate



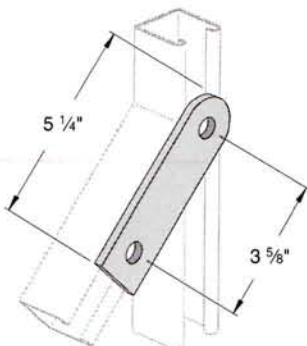
Weight/100 pcs: 38 lbs.

## PS 602 – Three-Hole Splice Plate



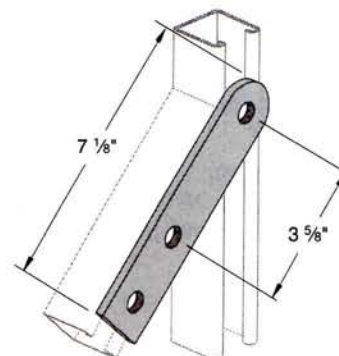
Weight/100 pcs: 50 lbs.

## PS 618 – Two-Hole Swivel Plate



Weight/100 pcs: 55 lbs.

## PS 617 – Three-Hole Swivel Plate



Weight/100 pcs: 75 lbs.

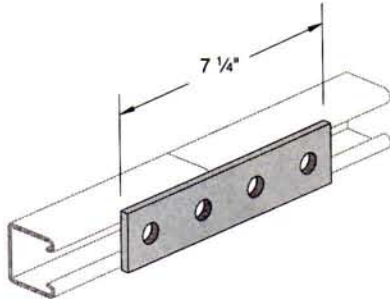


# FLAT PLATE FITTINGS

General Information  
 Stock Width: 1 5/8", Fitting Thickness: 1/4"  
 Finish: Painted green or electro-galvanized  
 Hole Diameter: 9/16"  
 Hole Spacing: 1 3/16" from end, 1 1/4" on center  
 Order By: Part No., Size & finish

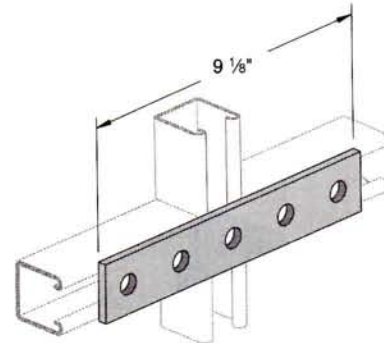


**PS 888** – Four-Hole Splice Plate



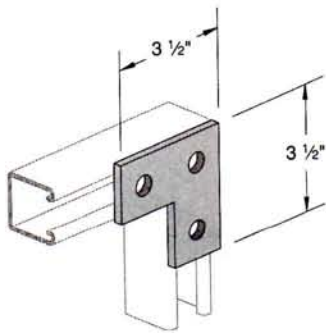
Weight/100 pcs: 78 lbs.

**PS 889** – Five-Hole Splice Plate



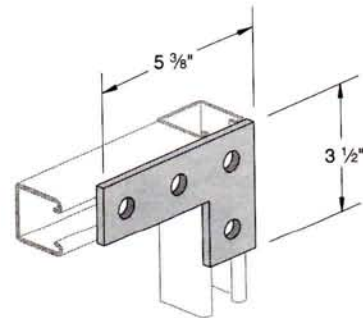
Weight/100 pcs: 94 lbs.

**PS 718** – Flat Angle Plate



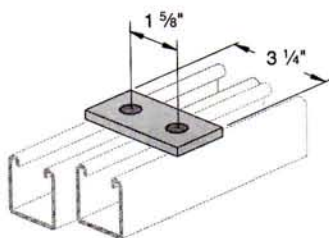
Weight/100 pcs: 58 lbs.

**PS 719** – Flat Angle Plate



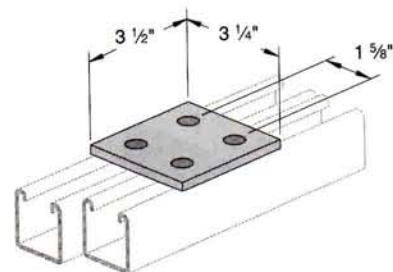
Weight/100 pcs: 80 lbs.

**PS 620** – Two-Hole Connecting Plate



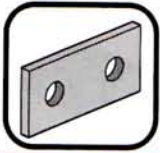
Weight/100 pcs: 35 lbs.

**PS 621** – Four-Hole Connecting Plate



Weight/100 pcs: 73 lbs.

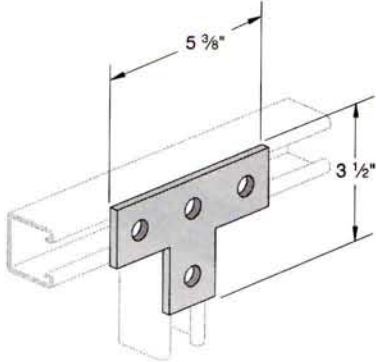
# FLAT PLATE FITTINGS



**General Information**  
Stock Width: 1 5/8", Fitting Thickness: 1/4"  
Finish: Painted green or electro-galvanized  
Hole Diameter: 9/16"  
Hole Spacing: 1 3/16" from end, 1 7/8" on center  
Order By: Part No., Size & finish

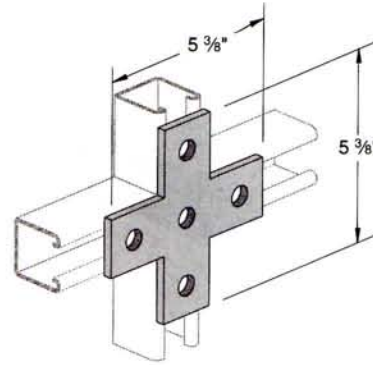


**PS 714** – Tee Plate



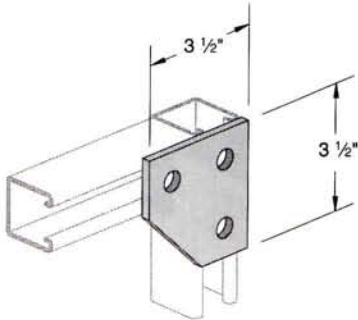
Weight/100 pcs: 80 lbs.

**PS 712** – Cross Plate



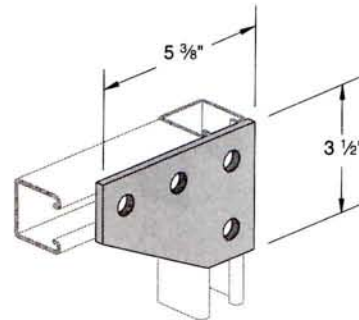
Weight/100 pcs: 105 lbs.

**PS 744** – Flat Corner Connector



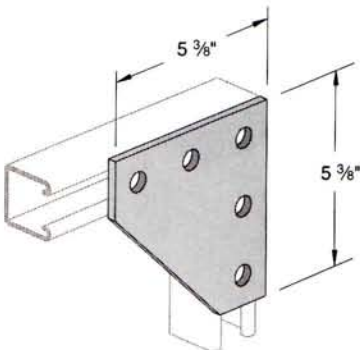
Weight/100 pcs: 70 lbs.

**PS 750** – Four-Hole Corner Connector



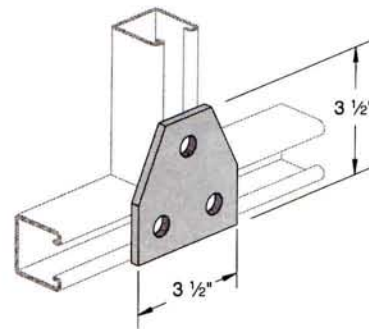
Weight/100 pcs: 105 lbs.

**PS 2190** – Flat Corner Connector



Weight/100 pcs: 150 lbs.

**PS 925** – Symmetrical Three-Hole Joint Connector



Weight/100 pcs: 70 lbs.



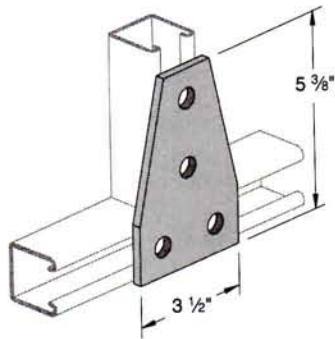


# FLAT PLATE FITTINGS

**General Information**  
 Stock Width: 1 5/8", Fitting Thickness: 1/4"  
 Finish: Painted green or electro-galvanized  
 Hole Diameter: 9/16"  
 Hole Spacing: 13/16" from end, 1 7/8" on center  
 Order By: Part No., Size & finish

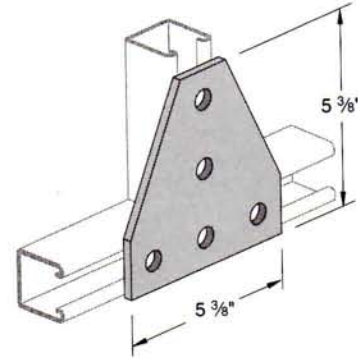


**PS 747** – Symmetrical Four-Hole Connector



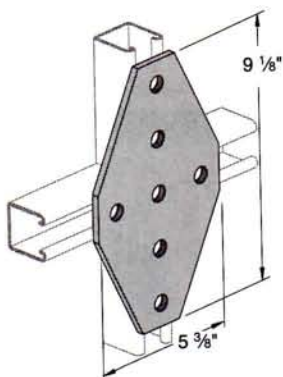
Weight/100 pcs: 105 lbs.

**PS 854** – Flat Connector



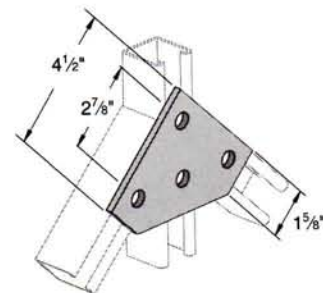
Weight/100 pcs: 148 lbs.

**PS 2112** – Cross Connector



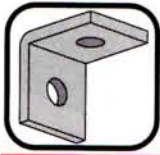
Weight/100 pcs: 240 lbs.

**PS 822** – Double 45° Connector



Weight/100 pcs: 112 lbs.

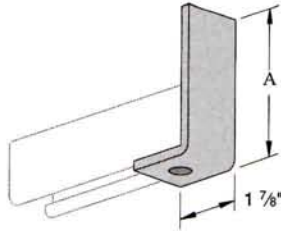
# 90° FITTINGS



**General Information**  
 Stock Width: 1 5/8", Fitting Thickness: 1/4"  
 Finish: Painted green or electro-galvanized  
 Hole Diameter: 9/16"  
 Hole Spacing: 1 3/16" from end, 1 7/8" on center  
 Order By: Part No., Size & finish

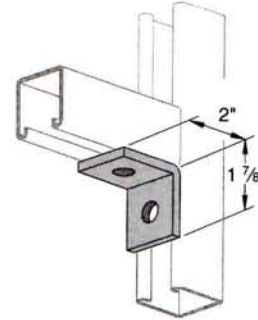


## PS 921 – One-Hole Angle



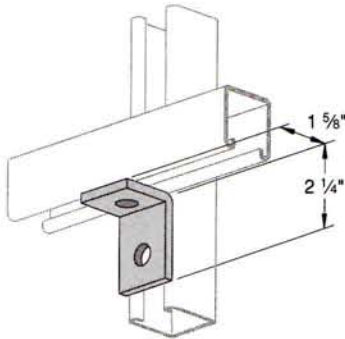
A	Wt./ 100 pcs
3 7/8"	61
5 7/8"	84
7 7/8"	107
9 7/8"	130

## PS 603 – Two-Hole End Angle



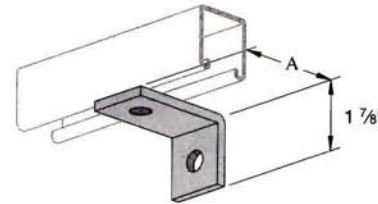
Weight/100 pcs: 38 lbs.

## PS 604 – Two-Hole Corner Angle



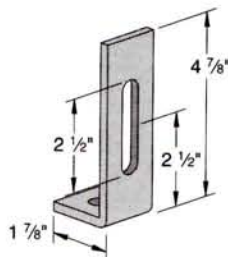
Weight/100 pcs: 38 lbs.

## PS 2144 – Corner Angle



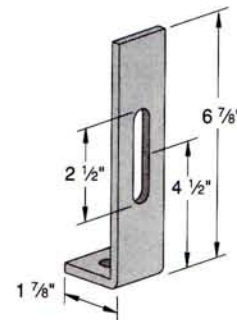
A	Wt./ 100 pcs
3"	49
3 1/2"	54
4"	61

## PS 763 – Slotted Adjustment Angle



Weight/100 pcs: 65 lbs.

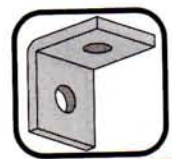
## PS 764 – Slotted Adjustment Angle



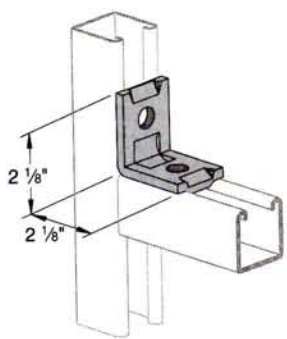
Weight/100 pcs: 85 lbs.



**General Information**  
 Stock Width: 1 5/8", Fitting Thickness: 1/4"  
 Finish: Painted green or electro-galvanized  
 Hole Diameter: 9/16"  
 Hole Spacing: 1 3/16" from end, 1 7/8" on center  
 Order By: Part No. & finish

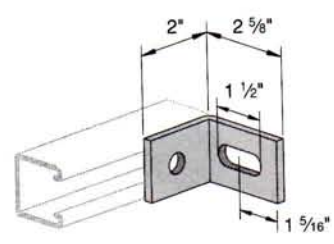


**PS 806 – Self-Aligning Two-Hole Angle**



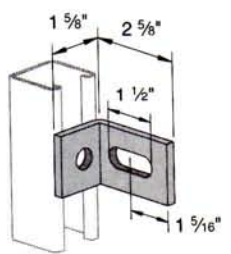
Weight/100 pcs: 40 lbs.

**PS 2520 – Slotted 90° Angle**



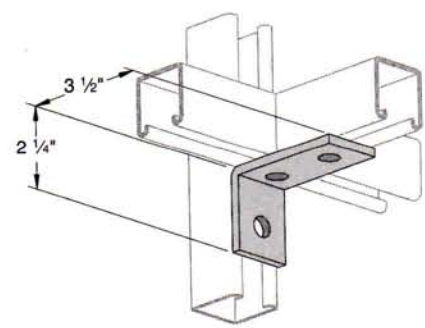
Weight/100 pcs: 42 lbs.

**PS 2545 – Slotted 90° Angle**



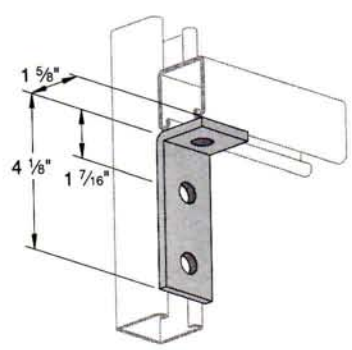
Weight/100 pcs: 38 lbs.

**PS 605 – Three-Hole Corner Angle**



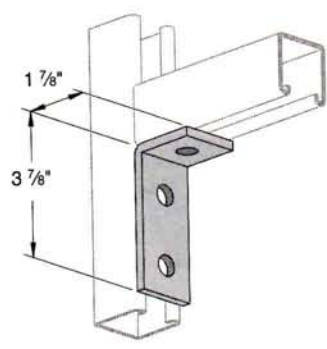
Weight/100 pcs: 58 lbs.

**PS 606 – Three-Hole Corner Angle**



Weight/100 pcs: 58 lbs.

**PS 745 – Three-Hole Corner Angle**



Weight/100 pcs: 58 lbs.

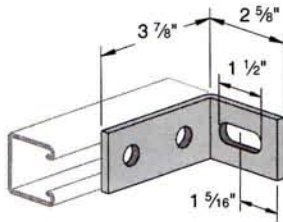
# 90° FITTINGS



**General Information**  
 Stock Width: 1 5/8", Fitting Thickness: 1/4"  
 Finish: Painted green or electro-galvanized  
 Hole Diameter: 9/16"  
 Hole Spacing: 1 3/16" from end, 1 7/8" on center  
 Order By: Part No., & finish



**PS 3049** – Two-Hole Slotted 90° Angle



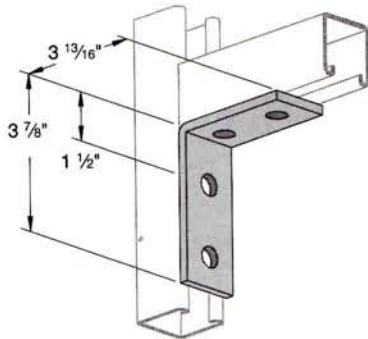
Weight/100 pcs: 66 lbs.

**PS 607** – Four-Hole Corner Angle



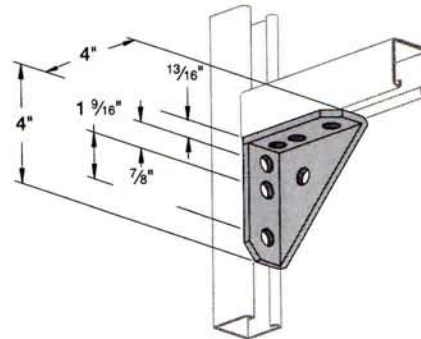
Weight/100 pcs: 78 lbs.

**PS 660** – Four-Hole Corner Angle



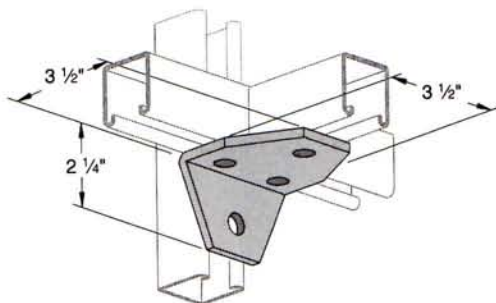
Weight/100 pcs: 78 lbs.

**PS 3373** – Universal Corner Connector



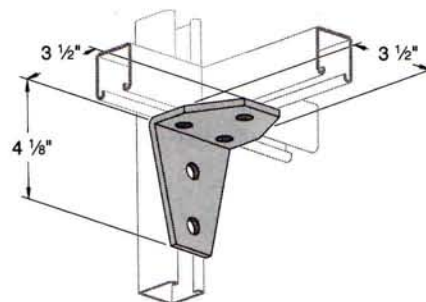
Weight/100 pcs: 134 lbs.

**PS 614** – Four-Hole Joint Angle Connector



Weight/100 pcs: 103 lbs.

**PS 615** – Five-Hole Joint Angle Connector



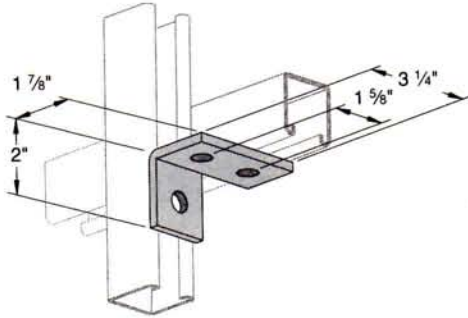
Weight/100 pcs: 135 lbs.



**General Information**  
 Stock Width: 1 5/8", Fitting Thickness: 1/4"  
 Finish: Painted green or electro-galvanized  
 Hole Diameter: 9/16"  
 Hole Spacing: 1 3/16" from end, 1 7/8" on center  
 Order By: Part No. & finish

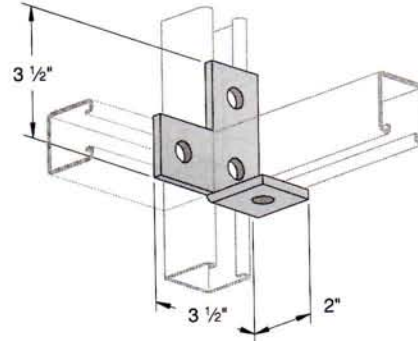


**PS 720 R or L – Angle Plate Connector**



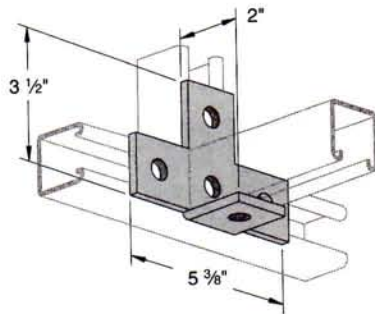
NOTE: Specify R (Right) or L (Left) – Right Hand illustrated  
 Weight/100 pcs: 55 lbs.

**PS 716 R or L – Angle Tee Plate**



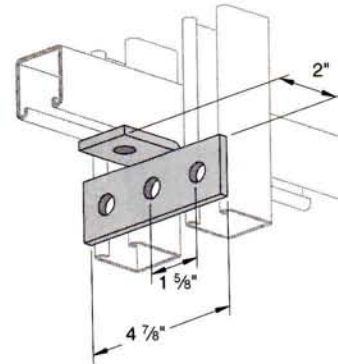
NOTE: Specify R (Right) or L (Left) – Left Hand illustrated  
 Weight/100 pcs: 80 lbs.

**PS 713 – Cross Plate Angle**



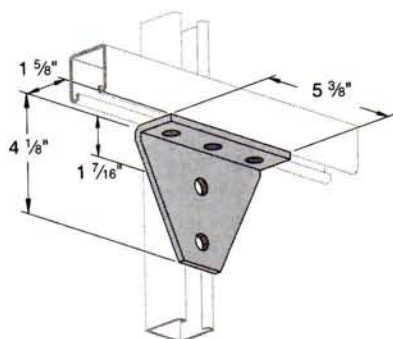
Weight/100 pcs: 105 lbs.

**PS 715 – Tee Plate 90° Angle**



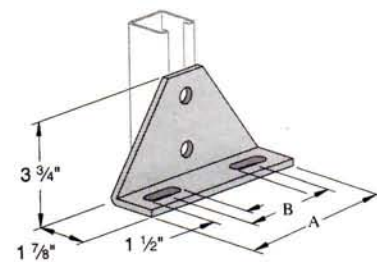
Weight/100 pcs: 71 lbs.

**PS 927 – Five-Hole Corner Connector**



Weight/100 pcs: 154 lbs.

**PS 689A, PS 689B – Double-Slotted Corner Connector**



Part No.	A	B	Wt./ 100 pcs
PS 689 A	6 5/8"	4"	190
PS 689 B	8 5/8"	6"	242

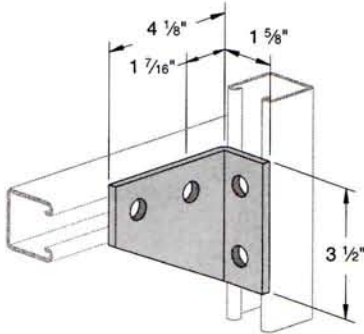
# 90° FITTINGS



**General Information**  
 Stock Width: 1 5/8", Fitting Thickness: 1/4"  
 Finish: Painted green or electro-galvanized  
 Hole Diameter: 9/16"  
 Hole Spacing: 1 3/16" from end, 1 7/8" on center  
 Order By: Part No. & finish

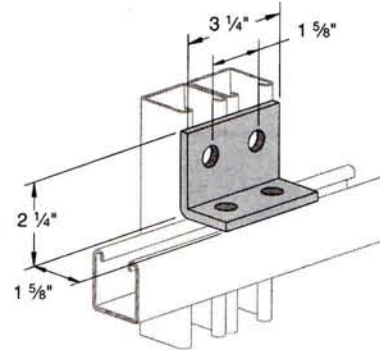


## PS 752 R OR L – Four-Hole Corner Connector



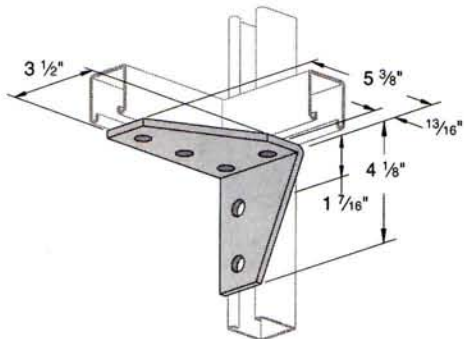
NOTE: Specify R (Right) or L (Left) – Right Hand illustrated  
 Weight/100 pcs: 105 lbs.

## PS 622 – Four-Hole Corner Connector



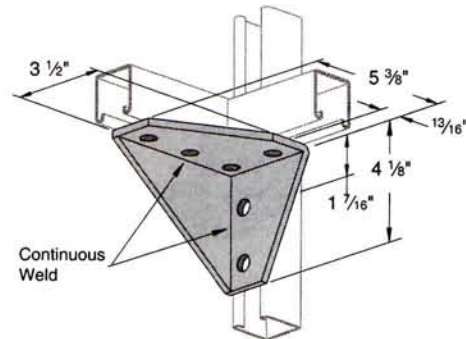
Weight/100 pcs: 75 lbs.

## PS 2007 R OR L – Five-Hole Corner Connector



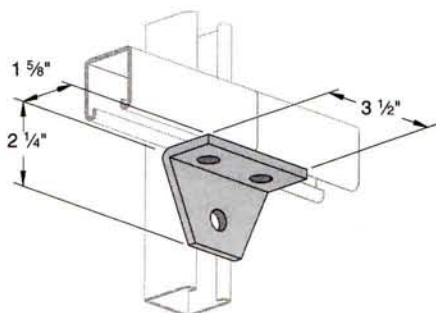
NOTE: Specify R (Right) or L (Left) – Right Hand illustrated  
 Weight/100 pcs: 160 lbs.

## PS 3326 R OR L – Five-Hole Gussetted Corner Connector



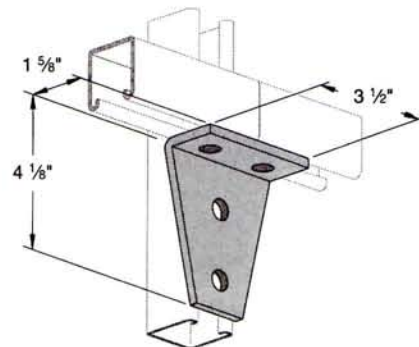
NOTE: Specify R (Right) or L (Left) – Right Hand illustrated  
 Weight/100 pcs: 230 lbs.

## PS 746 – Three-Hole Corner Joint Connector



Weight/100 pcs: 70 lbs.

## PS 748 – Four-Hole Corner Joint Connector



Weight/100 pcs: 105 lbs.

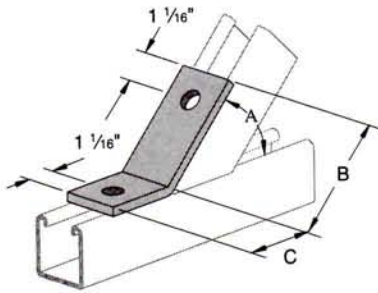


# ANGLE FITTINGS

General Information  
 Stock Width: 1 5/8", Fitting Thickness: 1/4"  
 Finish: Painted green or electro-galvanized  
 Hole Diameter: 9/16"  
 Hole Spacing: 1 3/16" from end, 1 7/8" on center  
 Order By: Part No., Angle & finish



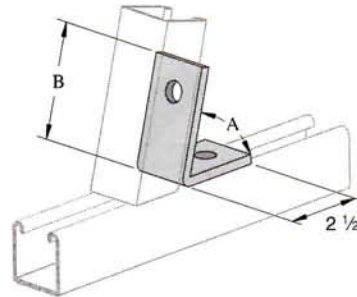
## PS 633 – Two-Hole Open Angle Connector



"A" Degree	"B" In.	"C" In.
82 1/2°	3 9/16	1 11/16
75°	3 9/16	1 11/16
67 1/2°	3 1/2	1 3/4
60°	3 3/8	1 7/8
52 1/2°	3 1/4	2 1/16
45°	3	2 5/16
37 1/2°	3 1/2	1 13/16
37 1/2°	2 11/16	2 5/8
30°	3 1/4	2 1/16
22 1/2°	3 5/16	2 1/16
15°	3 5/16	2 1/16
7 1/2°	3 5/16	2 1/16

Weight/100 pcs: 58 lbs.

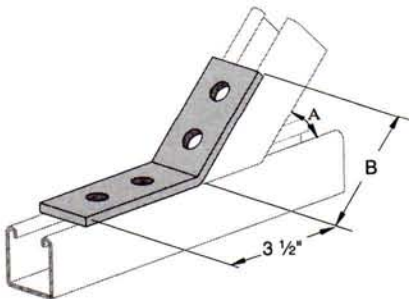
## PS 624 – Two-Hole Closed Angle Connector



"B" In.	"A" Angle
3"	37 1/2°
3 1/8"	45°
3 1/16"	52 1/2°
3 1/8"	60°
3 1/8"	67 1/2°
3 3/16"	75°
3 3/16"	82 1/2°

Weight/100 pcs: 58 lbs.

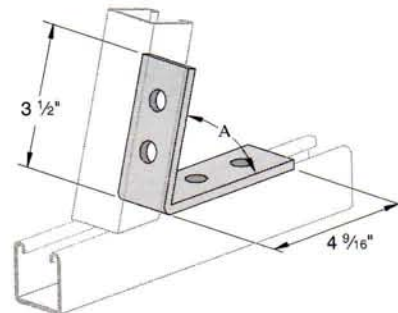
## PS 781 – Four-Hole Open Angle Connector



"A" Angle	"B" In.
7 1/2°	3 3/4"
15°	3 3/4"
22 1/2°	3 3/4"
30°	3 11/16"
37 1/2°	3 11/16"
45°	3 11/16"
52 1/2°	3 11/16"
60°	3 11/16"
67 1/2°	3 5/8"
75°	3 5/8"
82 1/2°	3 5/8"

Weight/100 pcs: 78 lbs.

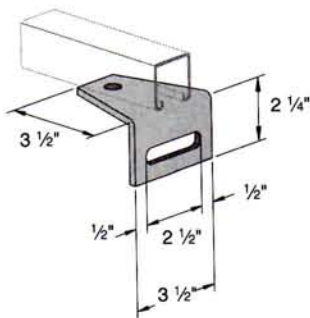
## PS 793 – Four-Hole Closed Angle Connector



Angle
37 1/2°
45°
52 1/2°
60°
67 1/2°
75°
82 1/2°

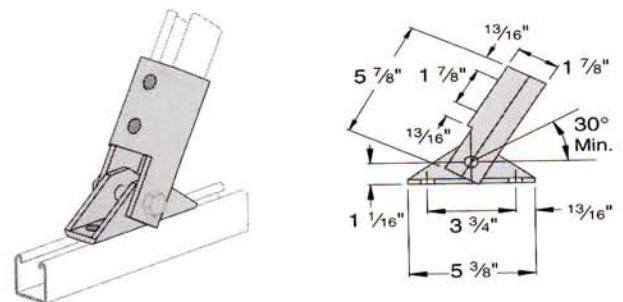
Weight/100 pcs: 100 lbs.

## PS 2113 – Slotted Corner Connector



Weight/100 pcs: 97 lbs.

## PS 9400 – Adjustable Brace



Weight/100 pcs: 307 lbs.

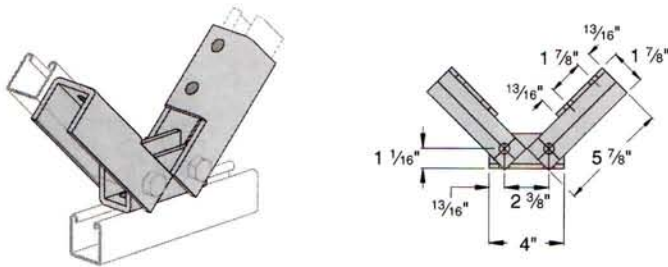
# ANGLE FITTINGS



**General Information**  
 Stock Width: 1 5/8", Fitting Thickness: 1/4"  
 Finish: Painted green or electro-galvanized  
 Hole Diameter: 9/16"  
 Hole Spacing: 1 3/16" from end, 1 7/8" on center  
 Order By: Part No., Angle & finish

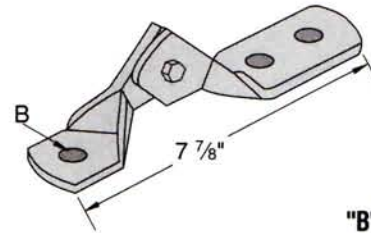


## PS 9401 – Double Adjustable Brace



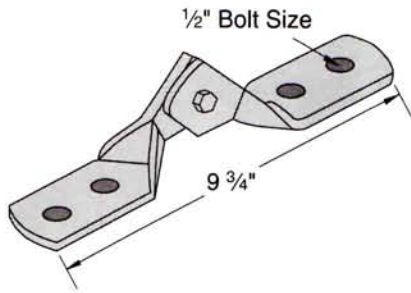
Weight/100 pcs: 497 lbs.

## PS 9403 – Three-Hole Hinge Connector



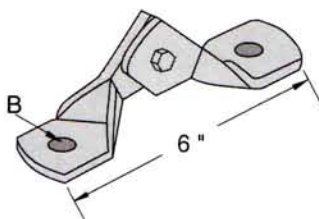
"B" Bolt Size	Wt./ 100 pcs
1/2"	108
5/8"	107
3/4"	106

## PS 9404 – Four-Hole Hinge Connector



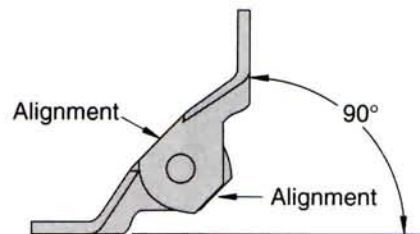
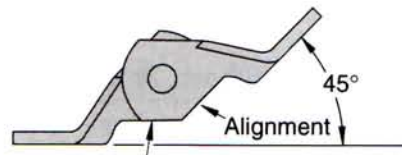
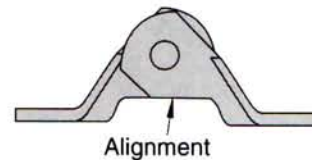
Part No.	Wt./ 100 pcs
PS 9404-1/2"	126

## PS 9402 – Two-Hole Hinge Connector



"B" Bolt Size	Wt./ 100 pcs
1/2"	90
5/8"	88
3/4"	86

**Hinge Connector Auto-Alignment Guides -**  
 The unique edges of the two hinges have been designed to provide an alignment guide for 0°, 45° and 90° as shown in the drawings below. This eliminates the need for measuring gages.



- Each half of the hinge is formed and welded for maximum strength.
- Hinged with Grade 5 bolt for superior strength.
- The Nylon insert locknut prevents loosening of the hinge.

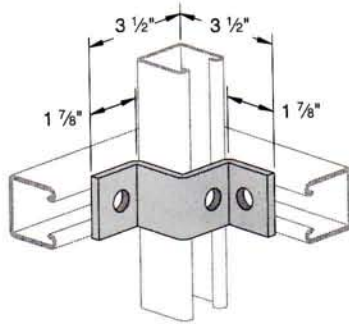




**General Information**  
 Stock Width: 1 5/8", Fitting Thickness: 1/4"  
 Finish: Painted green or electro-galvanized  
 Hole Diameter: 9/16"  
 Hole Spacing: 1 3/16" from end, 1 7/8" on center  
 Order By: Part No., Size & finish

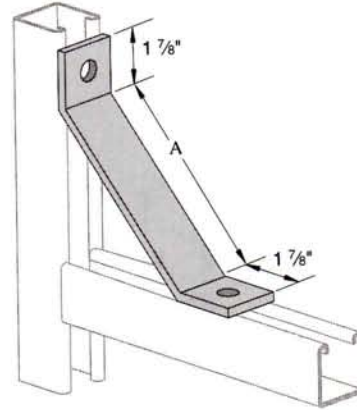


**PS 2054 – Corner Connector**



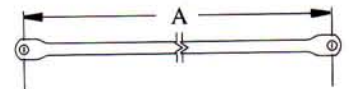
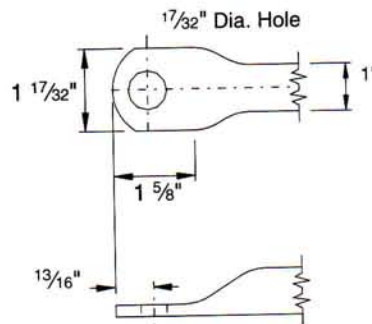
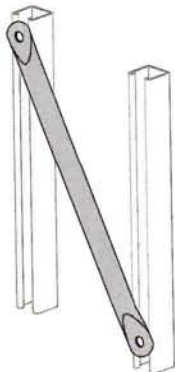
Weight/100 pcs: 66 lbs.  
 Use With: PS 200, PS 210

**PS 926 – Strut Brace**



A Size	Wt./ 100 pcs
12"	160
18"	218
24"	280

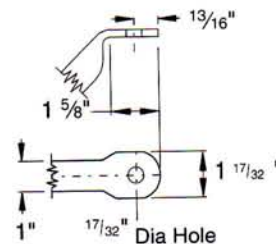
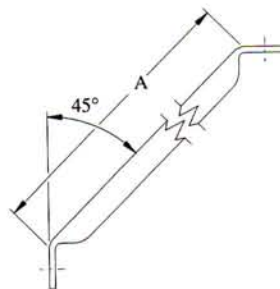
**PS 810 – Diagonal Tube Brace**



A Size	Wt./ 100 pcs
3'-0"	205
3'-6"	237
4'-0"	270

Note: 30° to 60° angle between the brace and channel is recommended for maximum effect.  
 Material: 1" dia. electric welded tubing  
 Stock Thickness: (.075) 14 ga.

**PS 812 – 45° Diagonal Tube Brace**



A Size	Wt./ 100 pcs
12"	88
18"	116
24"	149
30"	181
36"	214

Material: 1" dia. electric welded tubing  
 Stock Thickness: (.075) 14 ga.

# ZEE FITTINGS



## General Information

Stock Width: 1 5/8", Fitting Thickness: 1/4"

Finish: Painted green or electro-galvanized

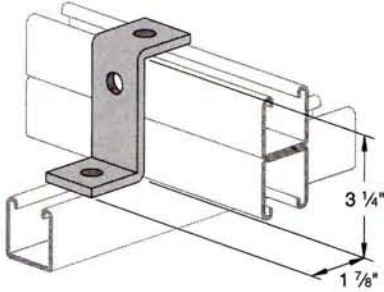
Hole Diameter: 9/16"

Hole Spacing: 1 3/16" from end, 1 7/8" on center

Order By: Part No. & finish



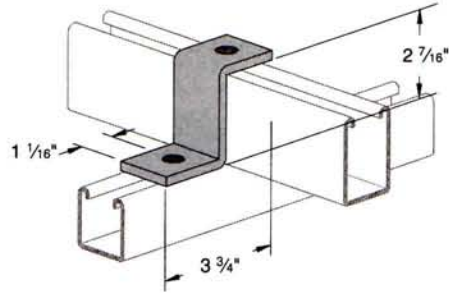
## PS 756 – Zee Support



Weight/100 pcs: 70 lbs.

Use With: PS 100, PS 200 2T3, PS 210 2T3

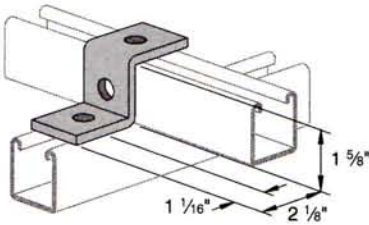
## PS 2601 – Zee Support



Weight/100 pcs: 67 lbs.

Use With: PS 150

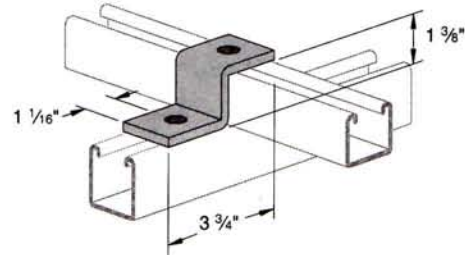
## PS 611 – Zee Support



Weight/100 pcs: 55 lbs.

Use With: PS 200, PS 210

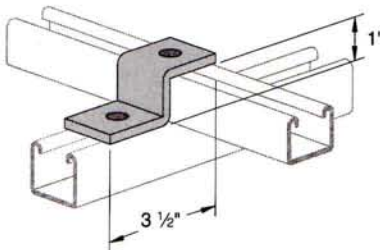
## PS 711 – Zee Support



Weight/100 pcs: 53 lbs.

Use With: PS 300

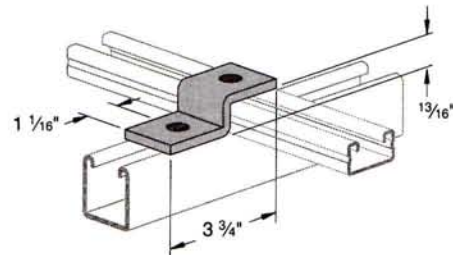
## PS 612 – Zee Support



Weight/100 pcs: 47 lbs.

Use With: PS 400

## PS 928 – Zee Support



Weight/100 pcs: 47 lbs.

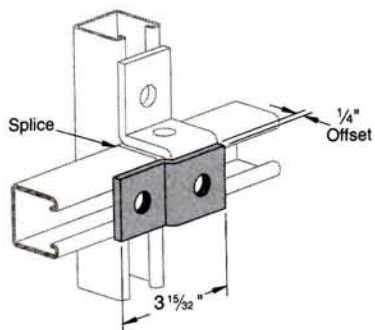
Use With: PS 500, PS 520 and PS 560



**General Information**  
 Stock Width: 1 5/8", Fitting Thickness: 1/4"  
 Finish: Painted green or electro-galvanized  
 Hole Diameter: 9/16"  
 Hole Spacing: 1 3/16" from end, 1 7/8" on center  
 Order By: Part No., size & finish

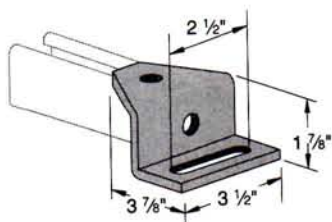


**PS 609 – Two-Hole Offset Plate Connector**



Weight/100 pcs: 38 lbs.

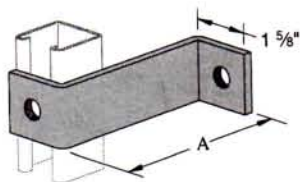
**PS 692 – 1 5/8" Offset Zee Connector**



Weight/100 pcs: 102 lbs.

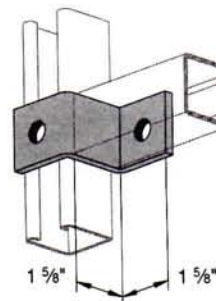
Use With: PS 200, PS 210

**PS 3060 – Offset Connector**



A	Wt./ 100 pcs
4"	81
5"	92
6"	104
7"	115
8"	127

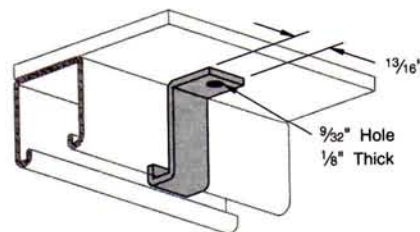
**PS 647 – 1 7/8" Offset Zee Connector**



Weight/100 pcs: 55 lbs.

Use With: PS 200, PS 210

**PS 2532 – Shelf Attachment Zee**

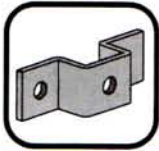


Stock Thickness: 1/8"

Weight/100 pcs: 9 lbs.

Use With: PS 200, PS 210

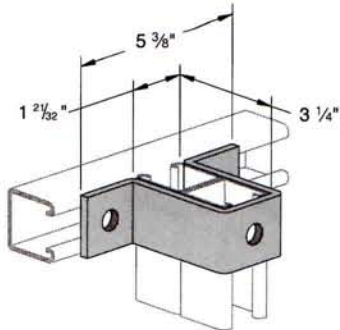
# "U" FITTINGS



**General Information**  
 Stock Width: 1 5/8", Fitting Thickness: 1/4"  
 Finish: Painted green or electro-galvanized  
 Hole Diameter: 9/16"  
 Hole Spacing: 1 3/16" from end, 1 7/8" on center  
 Order By: Part No., Size & finish



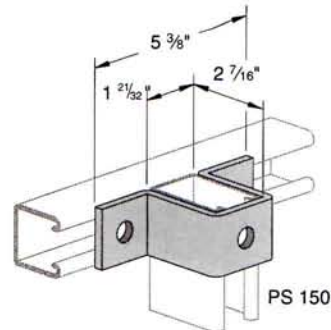
## PS 679 – "U" Support



Weight/100 pcs: 128 lbs.

Use With: PS 100, PS 200 2T3, PS 210 2T3

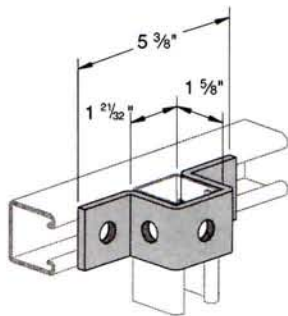
## PS 2648 – "U" Support



Weight/100 pcs: 108 lbs.

Use With: PS 150

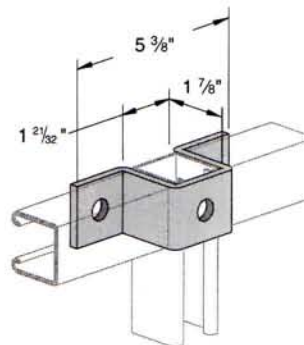
## PS 613 – "U" Support



Weight/100 pcs: 88 lbs.

Use With: PS 200, PS 210

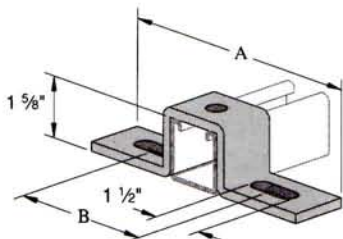
## PS 2119 – "U" Support



Weight/100 pcs: 95 lbs.

Use With: PS 200, PS 210

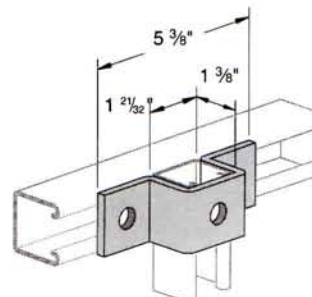
## PS 687A, PS 687B & PS 687C – Slotted "U" Support



Order No.	'A' Length	'B' Length	Wt./ 100 pcs
PS 687A	7 1/4"	4 1/8"	105
PS 687B	8 1/2"	5 3/8"	120
PS 687C	10 3/8"	7 1/4"	130

Use With: PS 200, PS 210

## PS 710 – "U" Support

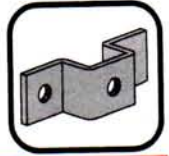


Weight/100 pcs: 84 lbs.

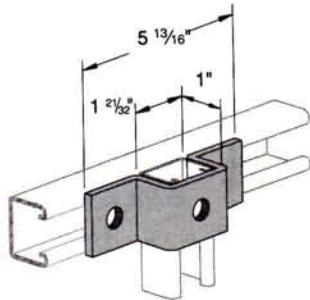
Use With: PS 300



**General Information**  
 Stock Width: 1 5/8", Fitting Thickness: 1/4"  
 Finish: Painted green or electro-galvanized  
 Hole Diameter: 9/16"  
 Hole Spacing: 1 3/16" from end, 1 7/8" on center  
 Order By: Part No., Size & finish

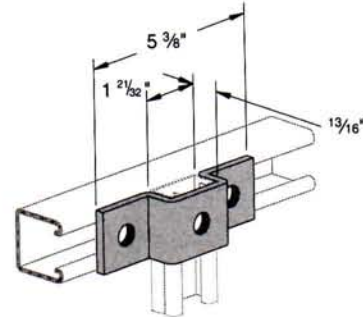


**PS 978 – "U" Support**



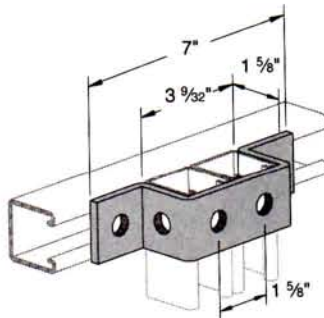
Weight/100 pcs: 71 lbs.  
 Use With: PS 400

**PS 929 – "U" Support**



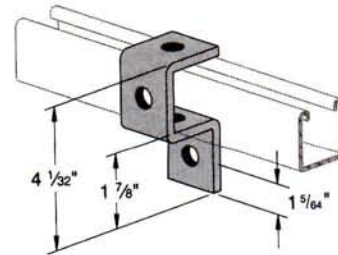
Weight/100 pcs: 71 lbs.  
 Use With: PS 500, PS 520 and PS 560

**PS 721 – "U" Support**



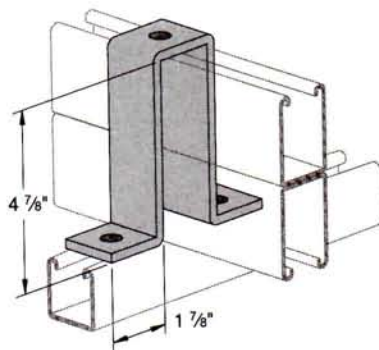
Weight/100 pcs: 105 lbs.  
 Use With: PS 100, PS 200 2T3, PS 210 2T3

**PS 677 – Cup Support for Standard Single Strut**



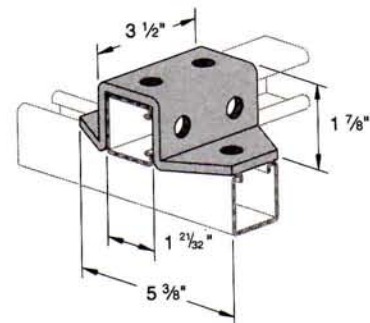
Weight/100 pcs: 76 lbs.  
 Use With: PS 200, PS 210

**PS 678 – Three-Hole "U" Support**



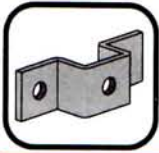
Weight/100 pcs: 197 lbs.  
 Use With: PS 150 2T3

**PS 733 – Six-Hole "U" Support**



Weight/100 pcs: 171 lbs.  
 Use With: PS 200, PS 210

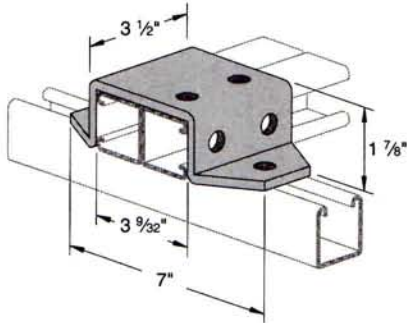
# "U" FITTINGS



**General Information**  
**Stock Width:** 1 5/8", **Fitting Thickness:** 1/4"  
**Finish:** Painted green or electro-galvanized  
**Hole Diameter:** 9/16"  
**Hole Spacing:** 1 1/16" from end, 1 7/8" on center  
**Order By:** Part No., Size & finish



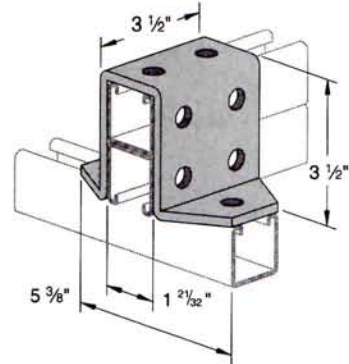
## PS 734 – Eight-Hole "U" Support



Weight/100 pcs: 209 lbs.

Use With: PS 200 2T3

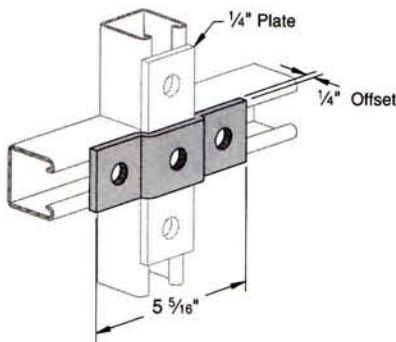
## PS 735 – Eight-Hole "U" Support



Weight/100 pcs: 257 lbs.

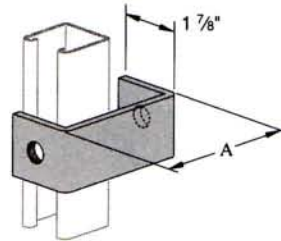
Use With: PS 200 2T3

## PS 709 – Three-Hole Offset Plate Connection



Weight/100 pcs: 58 lbs.

## PS 993 – Inside Clevis Hanger



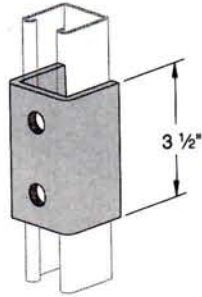
A Size	Wt./ 100 pcs
4"	78
5"	89
6"	101
7"	112
8"	124



**General Information**  
 Fitting Thickness: 1/4"  
 Finish: Painted green or electro-galvanized  
 Hole Diameter: 9/16"  
 Hole Spacing: 1 3/16" from end, 1 7/8" on center  
 Order By: Part No. & finish

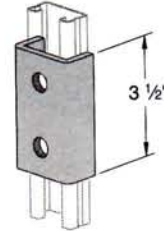


**PS 631 – Two-Hole Splice Clevis**



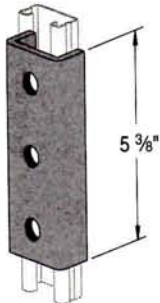
Weight/100 pcs: 128 lbs.  
 Use With: PS 200, PS 210

**PS 644 – Two-Hole Splice Clevis**



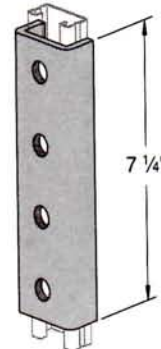
Weight/100 pcs: 85 lbs.  
 Use With: PS 500, PS 520 and PS 560

**PS 645 – Three-Hole Splice Clevis**



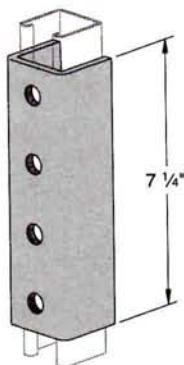
Weight/100 pcs: 130 lbs.  
 Use With: PS 500, PS 520 and PS 560

**PS 646 – Four-Hole Splice Clevis**



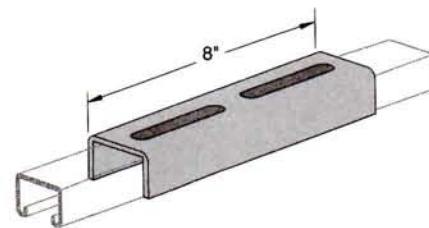
Weight/100 pcs: 176 lbs.  
 Use With: PS 500, PS 520 and PS 560

**PS 616 – Four-Hole Splice Clevis**



Weight/100 pcs: 265 lbs.  
 Use With: PS 200, PS 210

**PS 804 – Slotted Joiner**



Stock Thickness: (.105)  
 Weight/100 pcs: 80 lbs.  
 Use With: PS 400S, PS 500S, PS 520S and PS 560S  
 NOTE: Order PS 6072 screws & PS 6108 nuts separately.

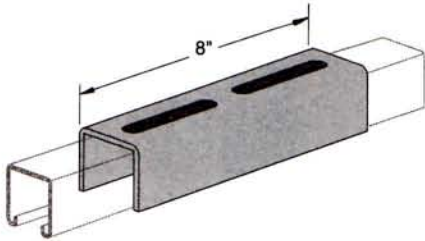
# JOINERS



**General Information**  
Fitting Thickness:  $\frac{1}{4}$ "  
Finish: Painted green or electro-galvanized  
Hole Diameter:  $\frac{9}{16}$ "  
Hole Spacing:  $\frac{13}{16}$ " from end,  $1\frac{1}{8}$ " on center  
Order By: Part No. & finish



## PS 704 – Slotted Joiner



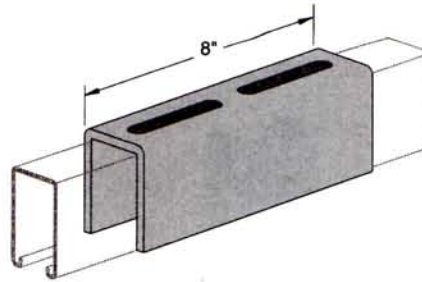
Stock Thickness: (.105)

Weight/100 pcs: 197 lbs.

Use With: PS 200S, PS 210S

NOTE: Order PS 6072 screws & PS 6108 nuts separately.

## PS 1004 – Slotted Joiner



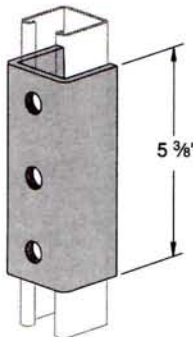
Stock Thickness: (.105)

Weight/100 pcs: 140 lbs.

Use With: PS 150S

NOTE: Order PS 6072 screws & PS 6108 nuts separately.

## PS 629 – Three-Hole Splice Clevis



Weight/100 pcs: 197 lbs.

Use With: PS 200 and PS 210



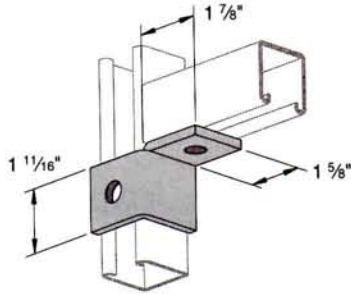


# WING FITTINGS

General Information  
 Fitting Thickness:  $\frac{1}{4}$ "  
 Finish: Painted green or electro-galvanized  
 Hole Diameter:  $\frac{9}{16}$ "  
 Hole Spacing:  $1\frac{3}{16}$ " from end,  $1\frac{1}{8}$ " on center  
 Order By: Part No. & finish



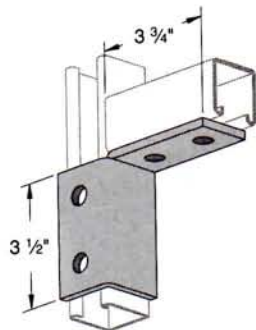
## PS 922 R OR L – Three-Hole Corner Connector



Weight/100 pcs: 60 lbs.

NOTE: Specify R (Right) or L (Left) – Right Hand illustrated

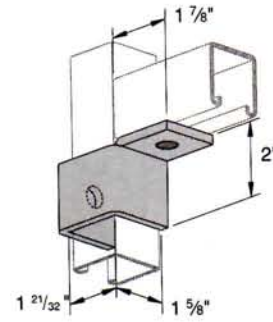
## PS 2128 R OR L – Six-Hole Corner Connector



Weight/100 pcs: 119 lbs.

NOTE: Specify R (Right) or L (Left) – Right Hand illustrated

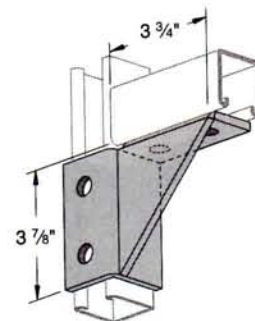
## PS 2117 R OR L – Wrap-Around Corner Connector



Weight/100 pcs: 75 lbs.

NOTE: Specify R (Right) or L (Left) – Right Hand illustrated

## PS 2129 R OR L – Single Corner Gussetted Connection



Weight/100 pcs: 176 lbs.

NOTE: Specify R (Right) or L (Left) – Right Hand illustrated

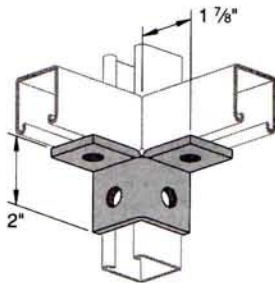
# WING FITTINGS



**General Information**  
Fitting Thickness: 1/4"  
Finish: Painted green or electro-galvanized  
Hole Diameter: 9/16"  
Hole Spacing: 1 3/16" from end, 1 7/8" on center  
Order By: Part No. & finish

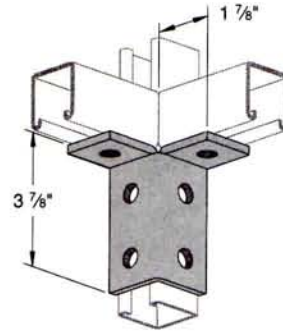


**PS 665** – Four-Hole Double Corner Connector



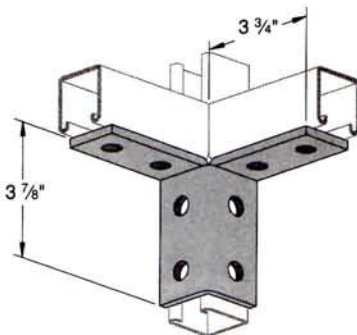
Weight/100 pcs: 76 lbs.

**PS 666** – Six-Hole Double Corner Connector



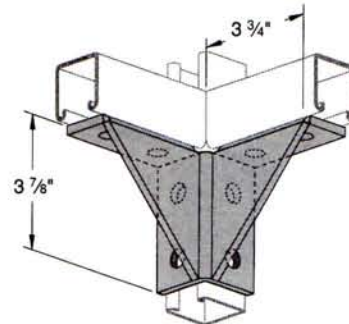
Weight/100 pcs: 115 lbs.

**PS 667** – Eight-Hole Double Corner Connector



Weight/100 pcs: 155 lbs.

**PS 943** – Eight-Hole Gussetted Double Corner Connector



Weight/100 pcs: 217 lbs.

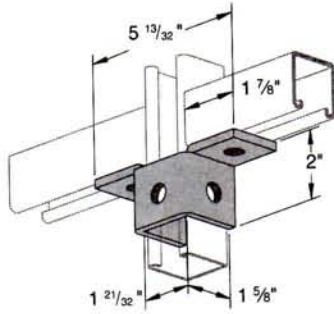


# WING FITTINGS

General Information  
 Fitting Thickness: 1/4"  
 Finish: Painted green or electro-galvanized  
 Hole Diameter: 9/16"  
 Hole Spacing: 1 3/16" from end, 1 7/8" on center  
 Order By: Part No. & finish

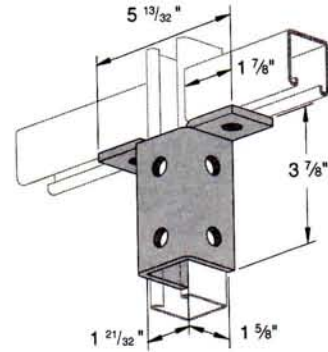


## PS 923 – Five-Hole Double Wing Connector



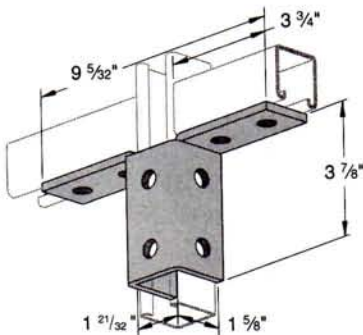
Weight/100 pcs: 93 lbs.

## PS 821 – Eight-Hole Double Wing Connector



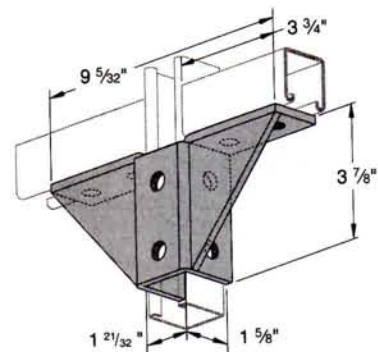
Weight/100 pcs: 150 lbs.

## PS 913 – Ten-Hole Double Wing Connector



Weight/100 pcs: 193 lbs.

## PS 945 – Ten-Hole Gussetted Double Wing Connector



Weight/100 pcs: 274 lbs.

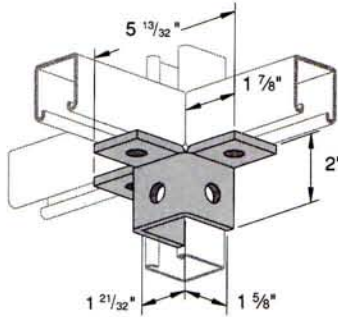
# WING FITTINGS



**General Information**  
**Fitting Thickness:** 1/4"  
**Finish:** Painted green or electro-galvanized  
**Hole Diameter:** 9/16"  
**Hole Spacing:** 1 3/16" from end, 1 7/8" on center  
**Order By:** Part No. & finish

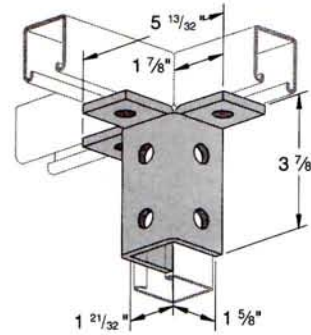


**PS 668** – Six-Hole Triple Wing Connector



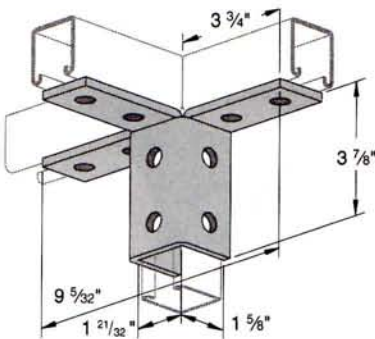
Weight/100 pcs: 113 lbs.

**PS 670** – Nine-Hole Triple Wing Connector



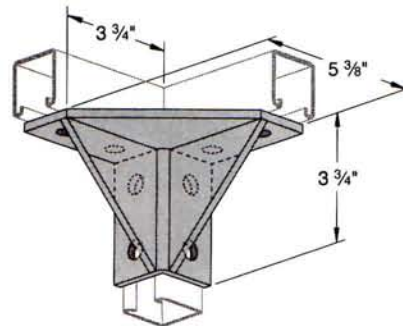
Weight/100 pcs: 177 lbs.

**PS 669** – Twelve-Hole Triple Wing Connector



Weight/100 pcs: 230 lbs.

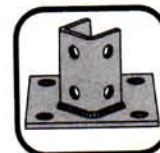
**PS 2514** – Eight-Hole Gussetted Double Corner Connector



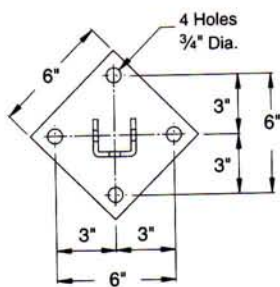
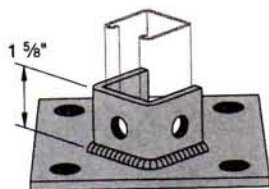
Weight/100 pcs: 315 lbs.



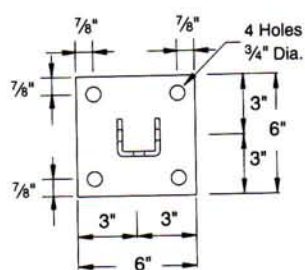
General Information  
 Fitting Thickness: 1/4"  
 Finish: Painted green or electro-galvanized  
 Hole Diameter: 9/16"  
 Hole Spacing: 1 3/16" from end, 1 7/8" on center  
 Order By: Part No. & finish



**PS 3013, PS 3013 SQ – Post Base**



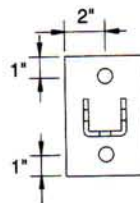
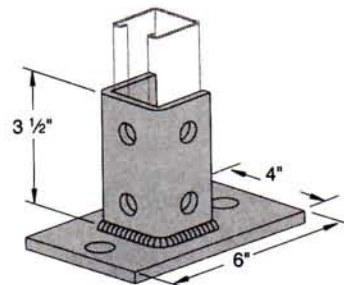
(PS 3013)



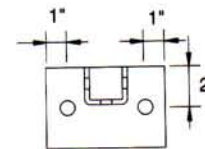
(PS 3013 SQ)

Weight/100 pcs: 307 lbs.

**PS 3025, PS 3025 FL – Post Base**



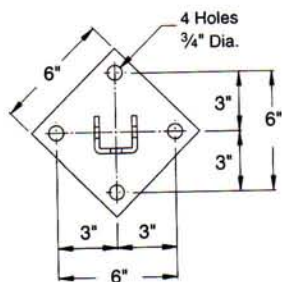
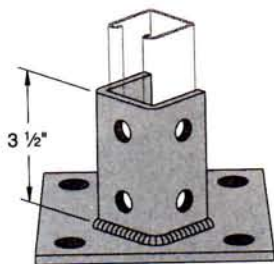
(PS 3025)



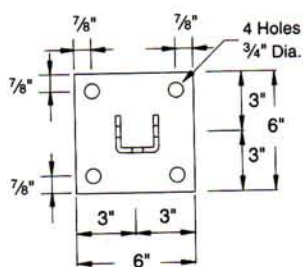
(PS 3025 FL)

Weight/100 pcs: 358 lbs.

**PS 3033, PS 3033 SQ – Post Base**



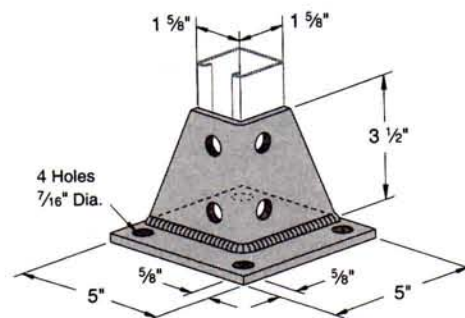
(PS 3033)



(PS 3033 SQ)

Weight/100 pcs: 373 lbs.

**PS 3040 – Post Base**



Weight/100 pcs: 297 lbs.

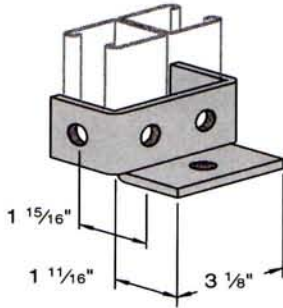
# POST BASE



**General Information**  
 Fitting Thickness: 1/4"  
 Finish: Painted green or electro-galvanized  
 Hole Diameter: 9/16"  
 Hole Spacing: 1 3/16" from end, 1 7/8" on center  
 Order By: Part No. & finish

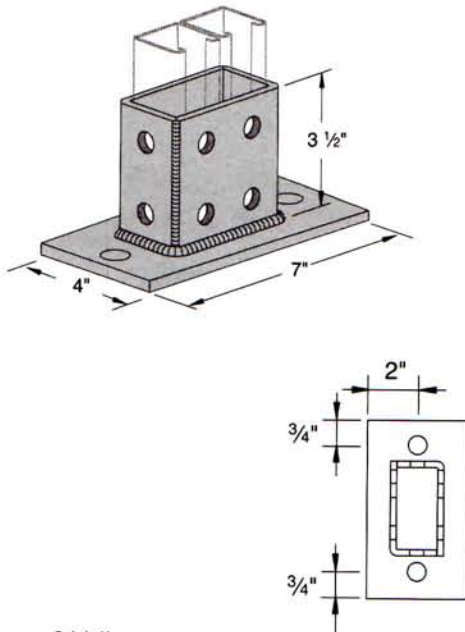


## PS 3041 – Double-Column Post Base



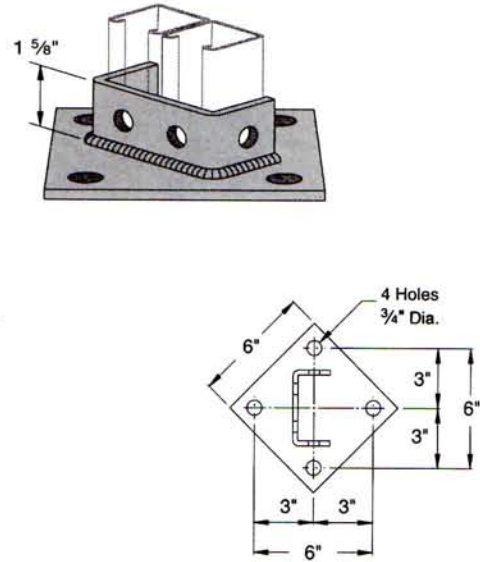
Weight/100 pcs: 116 lbs  
 Use With: PS 100, PS 200 2T3, and PS 210 2T3.

## PS 2064 – Double-Column Post Base



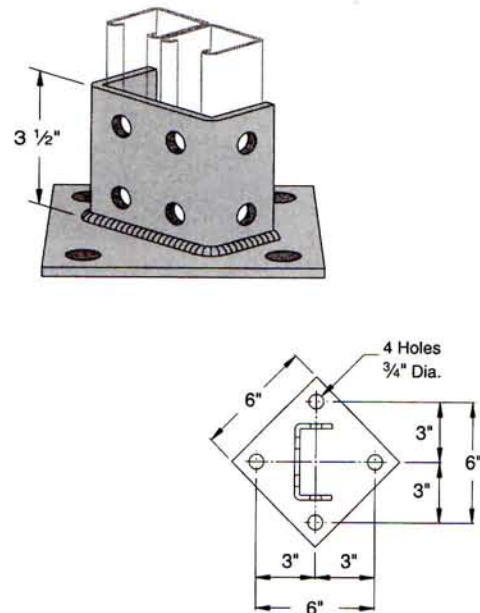
Weight/100 pcs: 311 lbs.  
 Use With: PS 100, PS 200 2T2, PS 200 2T3, PS 200 2T4 and PS 200 2T5

## PS 3029 – Double-Column Post Base



Weight/100 pcs: 325 lbs.  
 Use With: PS 100, PS 200 2T3, PS 210 2T3

## PS 3064 – Double-Column Post Base

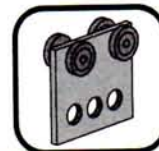


Weight/100 pcs: 408 lbs.  
 Use With: PS 100, PS 200 2T3, PS 200 2T4 and PS 200 2T5

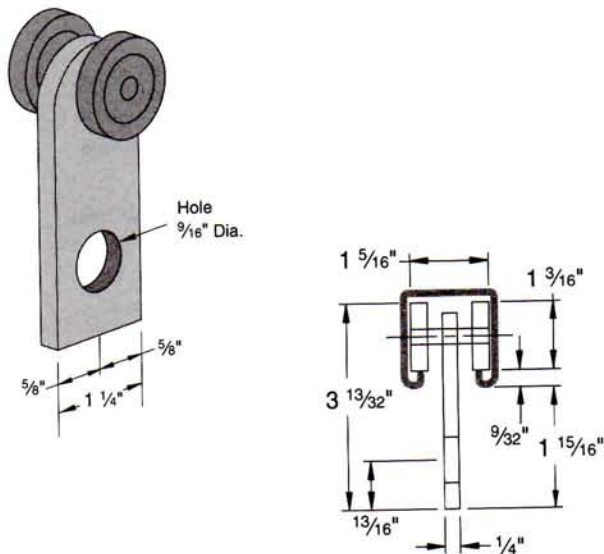


**General Information**

Fitting Thickness: 1/4"  
 Finish: Painted green or electro-galvanized  
 Hole Diameter: 9/16"  
 Order By: Part No. & finish

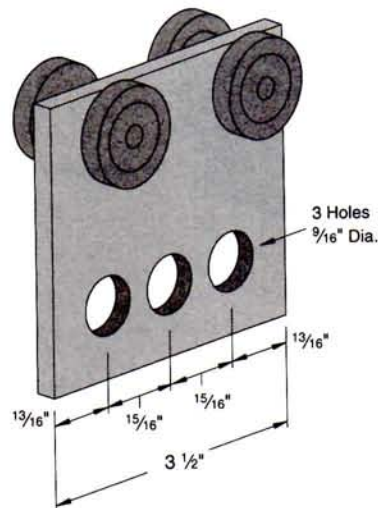


**PS 2521 – Two-Wheel Trolley**



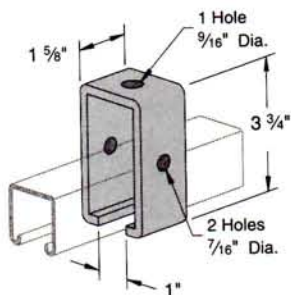
Material: Carbon Steel Wheels have stainless steel ball bearings  
 Finish: Electro-Galvanized  
 Weight/100 pcs: 46 lbs.  
 Use With: PS 200  
 Load Rating: 300 lbs.

**PS 2522 – Four- Wheel Trolley**



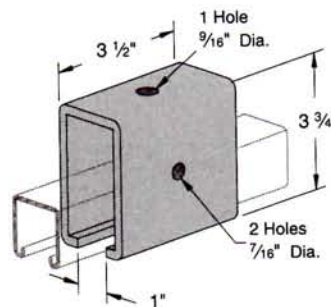
Material: Carbon Steel Wheels have stainless steel ball bearings  
 Finish: Electro-Galvanized  
 Weight/100 pcs: 110 lbs.  
 Use With: PS 200  
 Load Rating: 600 lbs.

**PS 2528 – Trolley Beam Standard Support**



Weight/100 pcs: 102 lbs.  
 Use With: PS 200, PS 210  
 Load Rating: 600 lbs.

**PS 2528 - 1 – Trolley Beam Heavy Support and Track Joiner**



Weight/100 pcs: 220 lbs.  
 Use With: PS 200, PS 210  
 Load Rating: 2,500 lbs.

# TROLLEYS

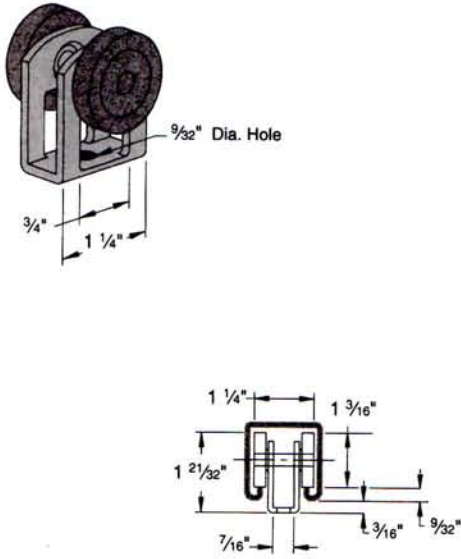


## General Information

Fitting Thickness:  $\frac{1}{4}$ "  
 Finish: Painted green or electro-galvanized  
 Hole Diameter:  $\frac{9}{16}$ "  
 Order By: Part No. & finish

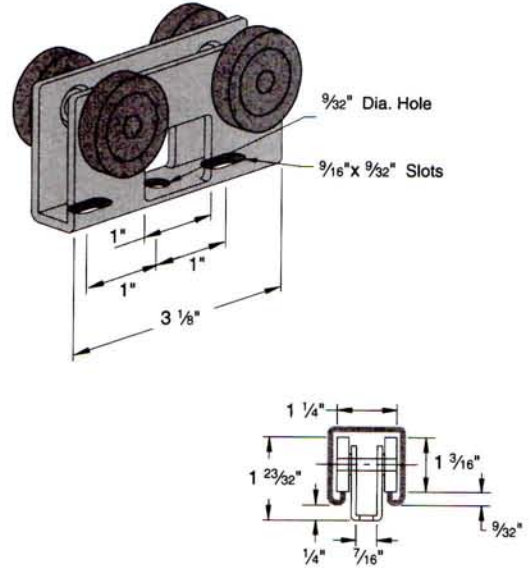


### PS 2524 – Two-Bearing Light Duty Trolley



Weight/100 pcs: 21 lbs.  
 Load Rating: 50 lbs.

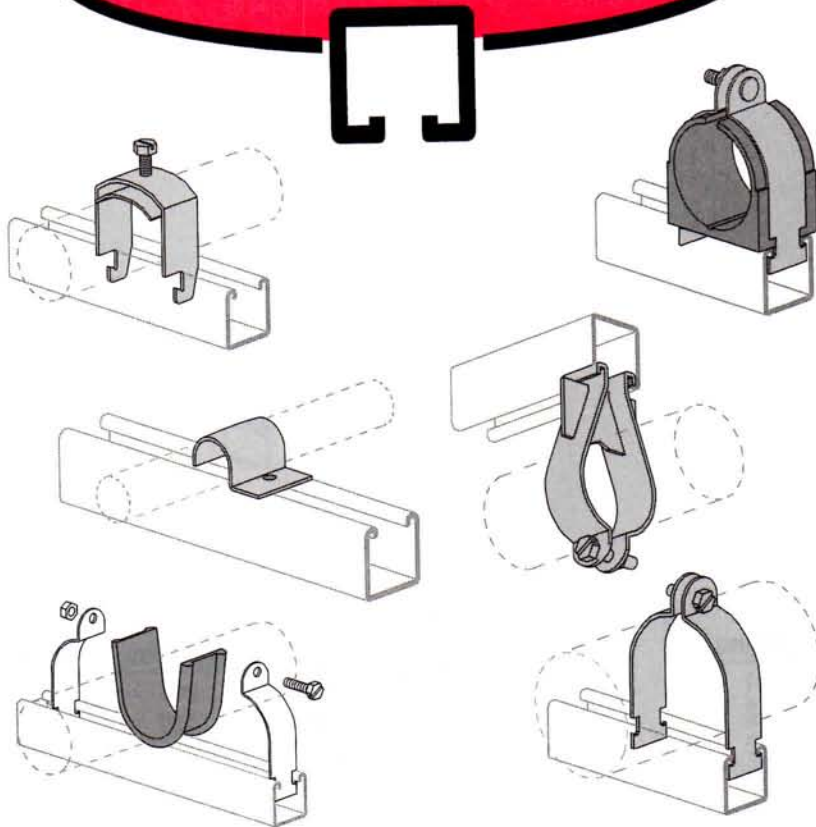
### PS 2525 – Four-Bearing Light Duty Trolley



Weight/100 pcs: 55 lbs.  
 Load Rating: 100 lbs.



# POWER-STRUT®



## PIPE & CONDUIT CLAMPS



*Power-Strut pipe, conduit and O.D. tubing clamps are formed in punch press dies in a wide selection of sizes to meet every requirement.*

### **MATERIAL:**

Power-Strut pipe, conduit and O.D. tubing clamps are made on punch press dies from hot rolled, pickled and oiled steel which conforms to the ASTM A-366, A-570, A-575 and A-576 standards. Select sizes of O.D. tubing clamps are available in stainless steel or aluminum.

### **STANDARD FINISH:**

All steel clamps are electro-galvanized. Select sizes of O.D. tubing clamps are available in copper plated finish. PVC coatings are available upon special request.

### **ORDERING INFORMATION:**

When ordering, add the length or size and finish to the part number. See pages 4 - 6 for finish abbreviations and an example.

# PIPE & CONDUIT CLAMPS

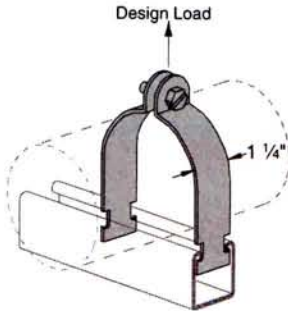


## General Information

Finish: Electro-galvanized  
Order By: Part No. & Size

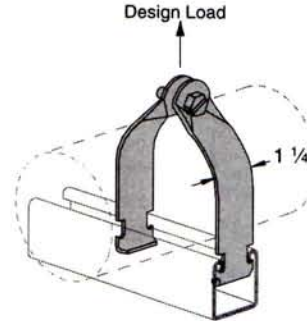


### PS 1000 – EMT Conduit Clamp



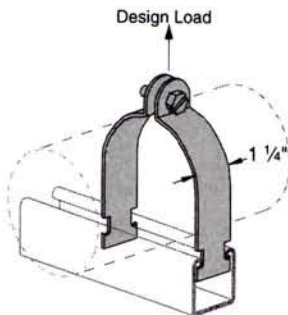
EMT Size	Stock Thickness	Hanging Load Rating/lbs.	Wt./ 100 pcs
1/2"	.060	400	11
3/4"	.060	400	12
1"	.075	600	15
1 1/4"	.075	600	18
1 1/2"	.105	800	29
2"	.105	800	33

### PS 1300 – Universal Pipe Clamp for EMT, IMC & GRC



Nom Size	Fits O.D.	Stock Thickness	Hanging Load Rating/lbs.	Wt./ 100 pcs
1/2"	.706-.840	.060	250	10
3/4"	.922-1.050	.075	400	11
1"	1.163-1.315	.075	400	12
1 1/4"	1.510-1.660	.075	400	18
1 1/2"	1.740-1.900	.105	500	20
2"	2.197-2.375	.105	500	22

### PS 1100, PS 1116, PS 1117 – Standard Pipe Clamp (GRC and IMC)



Pipe Size	Stock Thickness	Hanging Load Rating/lbs.	Wt./ 100 pcs
3/8"	.060	400	10
1/2"	.060	400	11
3/4"	.075	600	15
1"	.075	600	17
1 1/4"	.075	600	19
1 1/2"	.105	800	29
2"	.105	800	34
2 1/2"	.105	800	40
3"	.105	800	47
3 1/2"	.125	1,000	62
4"	.125	1,000	67
5"	.125	1,000	80
6"	.135	1,000	102
8"	.135	1,000	130
10"	.135	1,000	143
12"	.135	1,000	174

Material and finish are specified as:

**1100 ALM** .. Alum. clamp, EG fasteners

**1100 HDG** .. HDG Clamp, Stainless Steel fasteners

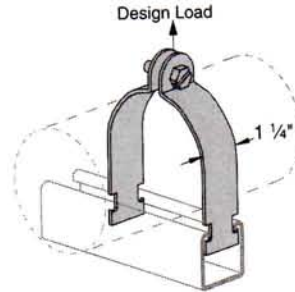
**1116** ..... Alum. clamp and fasteners

**1117** ..... Alum. clamp, Stainless Steel fasteners

**1100SS** ..... Stainless Steel clamp and fasteners



**PS 1200 – O.D. Tubing Clamp**



O.D. Size	Stock Thickness	Hanging Load Rating/lbs.	Wt./ 100 pcs	Other Finishes Available	
1/4"	.060	400	8		
3/8"	.060	400	8	CPLT	
1/2"	.060	400	9	CPLT	
5/8"	.060	400	10	CPLT	
3/4"	.060	400	11		
7/8"	.060	400	12	CPLT	
1"	.075	600	14		
1 1/8"	.075	600	15	SS	CPLT
1 1/4"	.075	600	16	SS	
1 3/8"	.075	600	17	SS	CPLT
1 1/2"	.075	600	18	SS	
1 5/8"	.075	600	19	SS	CPLT
1 3/4"	.105	800	29	SS	
1 7/8"	.105	800	28	SS	
2"	.105	800	31	SS	
2 1/8"	.105	800	32	SS	CPLT
2 1/4"	.105	800	33	SS	
2 3/8"	.105	800	34	SS	
2 1/2"	.105	800	35	SS	
2 5/8"	.105	800	37	SS	CPLT
2 3/4"	.105	800	38	SS	
2 7/8"	.105	800	40	SS	
3"	.105	800	41	SS	
3 1/8"	.105	800	43	SS	CPLT
3 1/4"	.105	800	45	SS	
3 3/8"	.105	800	46	SS	
3 1/2"	.105	800	47	SS	
3 5/8"	.105	800	56	SS	CPLT
3 3/4"	.105	800	58	SS	
3 7/8"	.125	1,000	60	SS	
4"	.125	1,000	62	SS	
4 1/8"	.125	1,000	62	SS	CPLT
4 1/4"	.125	1,000	64	SS	
4 3/8"	.125	1,000	66	SS	
4 1/2"	.125	1,000	67	SS	

O.D. Size	Stock Thickness	Hanging Load Rating/lbs.	Wt./ 100 pcs
4 5/8"	.125	1,000	70
4 3/4"	.125	1,000	72
4 7/8"	.125	1,000	73
5"	.125	1,000	74
5 1/8"	.125	1,000	76
5 1/4"	.125	1,000	77
5 3/8"	.125	1,000	78
5 1/2"	.125	1,000	79
5 5/8"	.135	1,000	88
5 3/4"	.135	1,000	90
5 7/8"	.135	1,000	92
6"	.135	1,000	94
6 1/8"	.135	1,000	96
6 1/4"	.135	1,000	98
6 3/8"	.135	1,000	99
6 1/2"	.135	1,000	100
6 5/8"	.135	1,000	102
6 3/4"	.135	1,000	104
6 7/8"	.135	1,000	106
7"	.135	1,000	108
7 1/8"	.135	1,000	110
7 1/4"	.135	1,000	112
7 3/8"	.135	1,000	114
7 1/2"	.135	1,000	116
7 5/8"	.135	1,000	117
7 3/4"	.135	1,000	119
7 7/8"	.135	1,000	121
8"	.135	1,000	123
8 1/8"	.135	1,000	125
8 1/4"	.135	1,000	126
8 3/8"	.135	1,000	128
8 1/2"	.135	1,000	129
8 5/8"	.135	1,000	130

Please contact factory for sizes not shown.

NOTE: SS - Stainless Steel  
CPLT - Copper Plated

# PIPE & CONDUIT CLAMPS

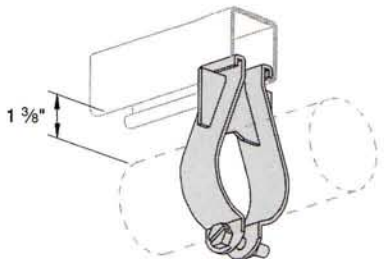


## General Information

Finish: Electro-galvanized  
Order By: Part No. & Size

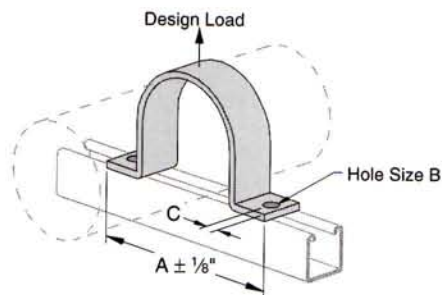


### PS 3138 – Parallel Run Pipe Clamp



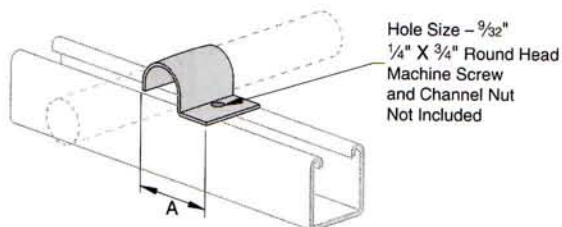
Pipe Size	Load Rating	Wt./ 100 pcs
3/8"	300	27
1/2"	300	29
3/4"	300	30
1"	400	31
1 1/4"	400	38
1 1/2"	500	40
2"	500	47
2 1/2"	500	66
3"	500	78
3 1/2"	500	87
4"	500	90

### PS 3126 – One-Piece Pipe Strap



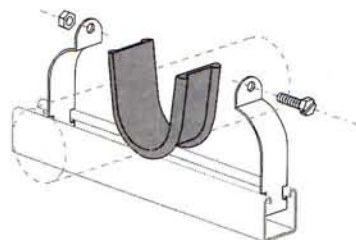
Pipe Size	A	B	C	Design Load	Wt./ 100 pcs
1/2"	2 7/16"	1/8"	5/16"	500	23
3/4"	3 1/16"	1/8"	5/16"	500	26
1"	3 1/2"	1/8"	5/16"	500	31
1 1/4"	3 13/16"	1/8"	5/16"	500	35
1 1/2"	3 15/16"	1/8"	5/16"	500	39
2"	5 11/16"	1/4"	7/16"	1,000	94
2 1/2"	6 3/16"	1/4"	7/16"	1,000	114
3"	6 11/16"	1/4"	7/16"	1,000	133
3 1/2"	7 13/16"	1/4"	7/16"	1,000	152
4"	8"	1/4"	7/16"	1,000	176
5"	9"	1/4"	7/16"	1,000	198
6"	10 1/8"	1/4"	7/16"	1,000	225

### PS 1450 – One-Hole Clamp for O.D. Tubing



O.D. Size	A	Thickness Gages	Wt./ 100 pcs
1/4"	1 3/16"	16	4
3/8"	1 5/16"	16	5
1/2"	1 7/16"	16	6
5/8"	1 5/8"	14	8
3/4"	1 3/4"	14	9
7/8"	1 7/8"	14	10
1"	2"	14	11

### PS 3792 – Power-Wrap™



Material: EPDM

Stock Thickness: 1/8"

Stock Length: 25 ft./box, field cut to length as needed

Weight/100 boxes: 253 lbs.

Service Temp: -70° to 350° F



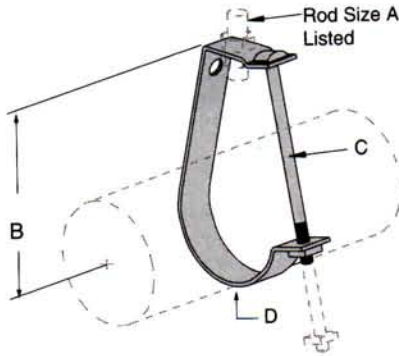
# PIPE & CONDUIT CLAMPS

General Information

Finish: Electro-galvanized  
Order By: No. & Size

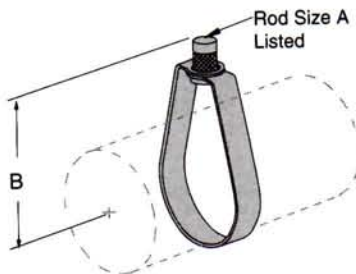


## PS 67 – Pipe or Conduit Hanger



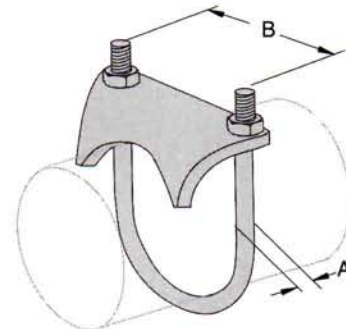
Conduit Size	A Rod Size	B	C	D	Load Rating	Wt./ 100 pcs
1/2"	3/8"	1 3/4"	1/4 x 2 1/4"	1/8 x 3/4"	300	20
3/4"	3/8"	1 7/8"	1/4 x 2 1/4"	1/8 x 3/4"	300	21
1"	3/8"	2 1/4"	1/4 x 2 3/4"	1/8 x 3/4"	300	24
1 1/4"	3/8"	2 3/4"	1/4 x 3 1/4"	1/8 x 3/4"	300	27
1 1/2"	3/8"	3"	1/4 x 3 1/2"	1/8 x 3/4"	300	29
2"	3/8"	3 3/8"	1/4 x 4"	1/8 x 3/4"	300	33
2 1/2"	1/2"	4"	3/8 x 4 1/2"	1/8 x 1 1/4"	500	71
3"	1/2"	4 1/4"	3/8 x 5"	1/8 x 1 1/4"	500	78
3 1/2"	1/2"	4 3/4"	3/8 x 5 1/2"	1/8 x 1 1/4"	500	85
4"	5/8"	5 1/2"	3/8 x 6 1/2"	1/4 x 1 1/4"	600	178
5"	5/8"	6"	3/8 x 7 1/2"	1/4 x 1 1/4"	600	199
6"	3/4"	7"	3/8 x 8 1/2"	1/4 x 1 1/4"	600	231
8"	7/8"	10"	3/8 x 12"	1/4 x 2"	700	449

## PS 69 – E-Z Grip Hanger



Size	A Rod Size	B	Load Rating Lbs/650	Wt./ 100 pcs
1/2"	3/8"	2 1/4"	300	9
3/4"	3/8"	2 5/16"	300	9
1"	3/8"	2 7/16"	300	10
1 1/4"	3/8"	2 5/8"	300	10
1 1/2"	3/8"	2 3/4"	300	110
2"	3/8"	3 1/4"	300	11
2 1/2"	3/8"	4"	525	25
3"	3/8"	4 3/8"	525	27
4"	3/8"	4 1 1/16"	600	48
5"	1/2"	5 5/16"	1000	53
6"	1/2"	6 7/16"	1000	100
7"	1/2"	8"	1000	100

## PS 51 – Right Angle Pipe or Conduit Clamp



Size	A Diameter	B	Wt./ 100 pcs
3/8"	5/16"	1 5/16"	25
1/2"	5/16"	1 3/16"	41
3/4"	5/16"	1 1/16"	42
1"	5/16"	1 1 1/16"	47
1 1/4"	5/16"	2"	54
1 1/2"	5/16"	2 5/16"	57
2"	3/8"	2 3/16"	85
2 1/2"	3/8"	3 3/8"	106
3"	3/8"	4 1/8"	110
3 1/2"	3/8"	4 5/8"	128
4"	3/8"	5 1/8"	140

Material: Malleable Iron

# PIPE & CONDUIT CLAMPS



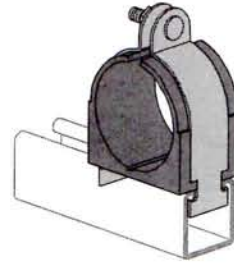
## General Information

Finish: Electro-galvanized  
Order By: Part no. & Size

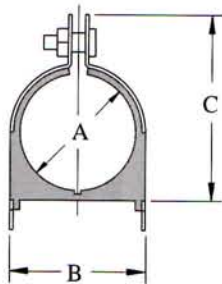
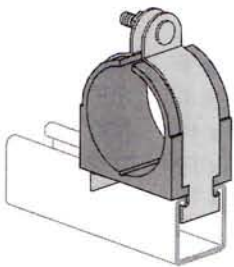


## PS 1400 – Clamps With Cushions For Pipes, Tubes, And Hoses

NOTE: PS004T–PS 106N replaces PS 1400



## PS 004T – PS 106N – Cush-a-clamp® Assembly Pipe & Tube Series



### Pipe Series

Part No.	Pipe Size (Nominal)	Dimensions			Wt./ 100
		A	B	C	
PS 009N	1/4"	0.54	0.98	1.34	13
PS 011N	3/8"	0.67	1.13	1.54	14
PS 014N	1/2"	0.84	1.29	1.82	15
PS 017N	3/4"	1.05	1.50	2.08	17
PS 021N	1"	1.31	1.76	2.34	19
PS 027N	1 1/4"	1.66	2.17	2.73	35
PS 030N	1 1/2"	1.90	2.35	2.86	41
PS 038N	2"	2.37	2.82	3.67	49
PS 046N	2 1/2"	2.87	3.32	4.17	57
PS 056N	3"	3.50	3.95	4.79	55
PS 064N	3 1/2"	4.00	4.45	5.42	88
PS 072N	4"	4.50	4.95	5.92	110
PS 089N	5"	5.56	6.01	6.92	130
PS 106N	6"	6.62	7.07	8.23	140

### Tube Series

Part No.	Copper & Steel Tube O. D. Size	Copper Water Pipe (Nominal)	Dimensions			Wt./ 100
			A	B	C	
PS 004T	1/4"		0.25	0.62	0.98	10
PS 006T	3/8"	1/4"	0.37	0.82	1.13	11
PS 008T	1/2"	3/8"	0.50	0.94	1.34	13
PS 010T	5/8"	1/2"	0.62	1.06	1.54	14
PS 012T	3/4"	5/8"	0.75	1.2	1.68	14
PS 014T	7/8"	3/4"	0.87	1.31	1.82	15
PS 016T	1"		1.00	1.44	1.95	17
PS 018T	1 1/8"	1"	1.12	1.57	2.08	18
PS 020T	1 1/4"		1.25	1.70	2.21	18
PS 022T	1 3/8"	1 1/4"	1.37	1.82	2.34	20
PS 024N	1 1/2"		1.50	1.95	2.47	33
PS 026N	1 5/8"	1 1/2"	1.62	2.07	2.60	35
PS 028N	1 3/4"		1.75	2.20	2.73	37
PS 030N	1 7/8"		1.87	2.32	2.86	39
PS 032N	2"		2.00	2.45	3.04	41
PS 034N	2 1/8"		2.12	2.57	3.23	46
PS 038N	2 3/8"		2.37	2.82	3.67	47
PS 040N	2 1/2"		2.50	2.94	3.79	49
PS 042N	2 5/8"		2.62	3.07	3.92	51
PS 046N	2 7/8"		2.87	3.32	4.17	55
PS 048N	3"		3.00	3.57	4.42	57
PS 050N	3 1/8"		3.12	3.57	4.42	60
PS 056N	3 1/2"		3.50	3.95	4.79	55
PS 058N	3 5/8"		3.62	4.2	5.11	70
PS 064N	4"		4.00	4.45	5.42	88
PS 066N	4 1/8"		4.12	4.57	5.54	94
PS 072N	4 1/2"		4.50	4.95	5.92	110
PS 082N	5 1/8"		5.12	5.57	6.54	125
PS 098N	6 1/8"		6.12	6.57	7.54	130



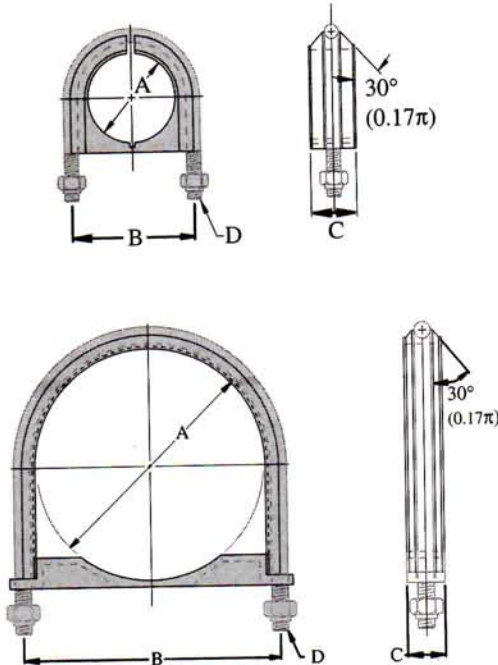
# PIPE & CONDUIT CLAMPS

General Information

Finish: Electro-galvanized  
Order By: Part no. & Size

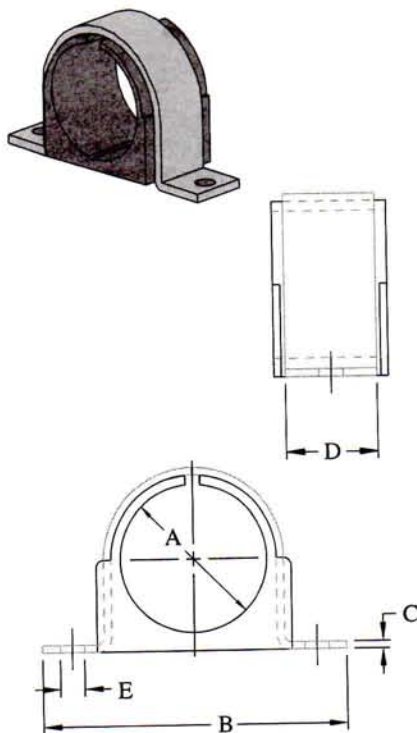


## PS UB 1/2 – PS UB 10 – Cush-a-clamp® Assembly U-Bolt Series



PART NO.	PIPE SIZE	Dimensions			D	Wt./ 100 Pcs
		A	B	C		
PS UB 1/2	1/2"	0.84	1.60	0.68	1/4-20 UNC-2B	9
PS UB 3/4	3/4"	1.05	1.80	0.68	1/4-20 UNC-2B	10
PS UB 1	1"	1.31	2.05	0.68	1/4-20 UNC-2B	12
PS UB 1 1/4	1 1/4"	1.66	2.55	1.24	3/8-16 UNC-2B	32
PS UB 1 1/2	1 1/2"	1.90	2.80	1.24	3/8-16 UNC-2B	36
PS UB 2	2"	2.37	3.35	1.24	3/8-16 UNC-2B	42
PS UB 2 1/2	2 1/2"	2.87	3.90	1.24	1/2-13 UNC-2B	72
PS UB 3	3"	3.50	4.55	1.24	1/2-13 UNC-2B	84
PS UB 3 1/2	3 1/2"	4.00	5.05	1.24	1/2-13 UNC-2B	93
PS UB 4	4"	4.50	5.50	1.24	1/2-13 UNC-2B	102
PS UB 5	5"	5.56	6.56	1.24	1/2-13 UNC-2B	123
PS UB 6	6"	6.62	7.75	1.44	5/8-11 UNC-2B	243
PS UB 8	8"	8.62	9.82	1.44	5/8-11 UNC-2B	293
PS UB 10	10"	10.75	12.16	1.65	3/4-10 UNC-2B	492

## PS 004M – PS 038M – Cush-a-clamp® Assembly Omega Series



PART NO.	Copper Tubing O.D. SIZE	Water Pipe (Nominal)	Pipe Size (Nominal)	Dimensions				E	Wt./ 100 Pcs
				A	B	C	D		
PS 004M	1/4"			0.25	1.81	0.06	0.62	0.20	3.4
PS 006M	3/8"	1/4		0.37	1.90	0.06	0.62	0.20	4.0
PS 008M	1/2"	3/8	1/4"	0.50	2.20	0.06	0.75	0.26	5.5
PS 010M	5/8"	1/2	3/8"	0.62	2.32	0.06	0.75	0.26	6.0
PS 012M	3/4"	5/8		0.75	2.41	0.06	0.75	0.26	6.5
PS 014M	7/8"	3/4	1/2"	0.87	2.56	0.06	0.75	0.26	7.1
PS 016M	1"			1.00	2.68	0.06	0.75	0.26	7.8
PS 018M20			3/4"	1.05	2.68	0.06	0.75	0.26	8.1
PS 018M21	1 1/8"	1		1.12	2.82	0.06	0.75	0.26	8.4
PS 020M	1 1/4"			1.25	3.00	0.08	1.25	0.26	17
PS 021M			1"	1.31	3.12	0.08	1.25	0.26	20
PS 022M	1 3/8"	1 1/4		1.37	3.12	0.08	1.25	0.26	19
PS 024M	1 1/2"			1.50	3.65	0.08	1.25	0.26	20
PS 026M	1 5/8"	1 1/2		1.62	3.77	0.08	1.25	0.26	23
PS 027M			1 1/4"	1.66	3.90	0.10	1.25	0.33	32
PS 028M	1 3/4"			1.75	3.90	0.10	1.25	0.33	32
PS 030M	1 7/8"		1 1/2"	1.87	4.02	0.10	1.25	0.33	34
PS 032M	2"			2.00	4.15	0.10	1.25	0.33	36
PS 034M	2 1/8"			2.12	4.40	0.10	1.25	0.33	41
PS 038M			2"	2.37	4.71	0.10	1.25	0.33	44

# PIPE & CONDUIT CLAMPS



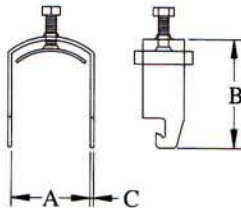
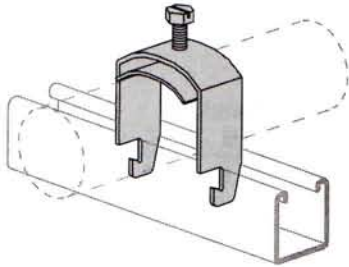
## General Information

Finish: Electro-galvanized  
Order By: No. and Size



### PS 3101 thru PS 3115 –

One-Piece cable & Conduit Clamp



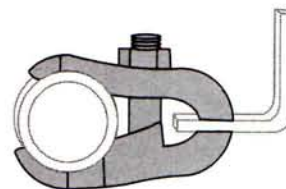
Part No.	Max O.D. Size	A	B	C	Wt./ 100 pcs
PS 3101	3/8"	7/16"	1 5/8"	14	6
PS 3102	1/2"	9/16"	1 3/4"	14	7
PS 3103	3/4"	1 3/16"	2"	14	12
PS 3104	1"	1 1/16"	2 1/4"	14	15
PS 3105	1 1/4"	1 5/16"	2 1/2"	14	19
PS 3106	1 1/2"	1 9/16"	2 3/4"	14	20
PS 3107	1 3/4"	1 13/16"	3"	12	25
PS 3108	2"	2 1/16"	3 1/4"	12	35
PS 3109	2 3/8"	2 7/16"	3 5/8"	12	41
PS 3110	2 3/4"	2 13/16"	4"	12	60
PS 3111	3 1/4"	3 5/16"	4 1/2"	12	74
PS 3112	3 3/4"	3 13/16"	5"	12	91
PS 3113	4"	4 1/16"	5 1/4"	12	100
PS 3114	4 3/8"	4 7/16"	5 5/8"	12	115
PS 3115	4 3/4"	4 13/16"	6"	12	125

### PS 270 – Conduit Clamp



Size	A Diameter	Wt./ 100 pcs
3/8"	1/4"	6
1/2"	1/4"	6
3/4"	1/4"	8
1"	1/4"	9
1 1/4"	1/4"	11
1 1/2"	1/4"	19
2"	1/4"	27

### PS 52E – Parallel Pipe and Conduit Clamp

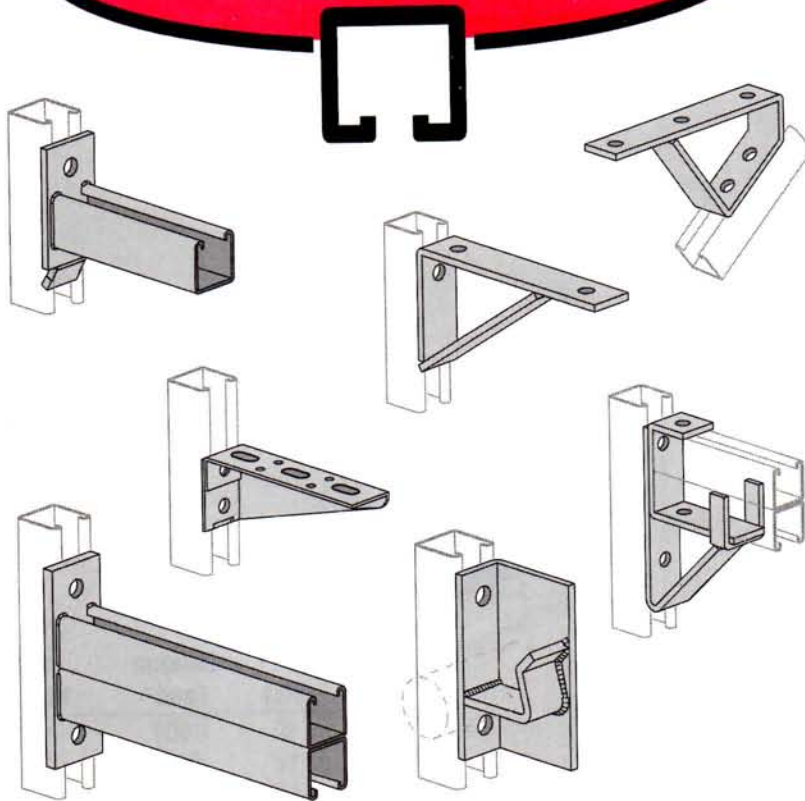


Size	Wt./ 100 pcs
1/2"	59
3/4"	64
1"	70
1 1/4"	72
1 1/2"	93
2"	128
2 1/2"	135
3"	155
3 1/2"	190
4"	205

Material: Malleable Iron



# POWER-STRUT®



## BRACKETS



*Power-Strut channel brackets feature a combination fitting and channel to eliminate field fabrication and speed installation. Shelf, pipe and stair brackets are also available in a variety of sizes.*

**MATERIAL:**

Power-Strut brackets are made by punch press and roll form operations from hot rolled, mild steel.

**STANDARD FINISH:**

Power-Strut brackets are available in painted green or electro-galvanized finishes.

**ORDERING INFORMATION:**

When ordering, add the length or size and finish to the part number. See pages 4 -6 for finish abbreviations and an example.

# BRACKETS

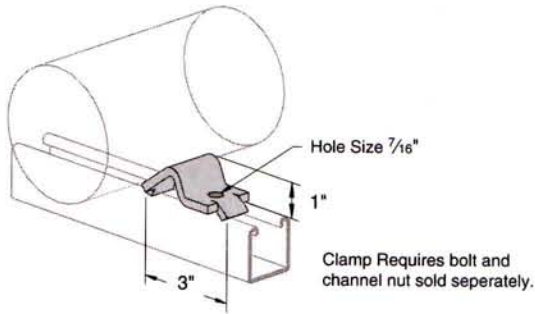


## General Information

Hole Diameter:  $\frac{9}{16}$ "  
 Finish: Painted green or Electro-galvanized  
 Order By: No., Size & Finish

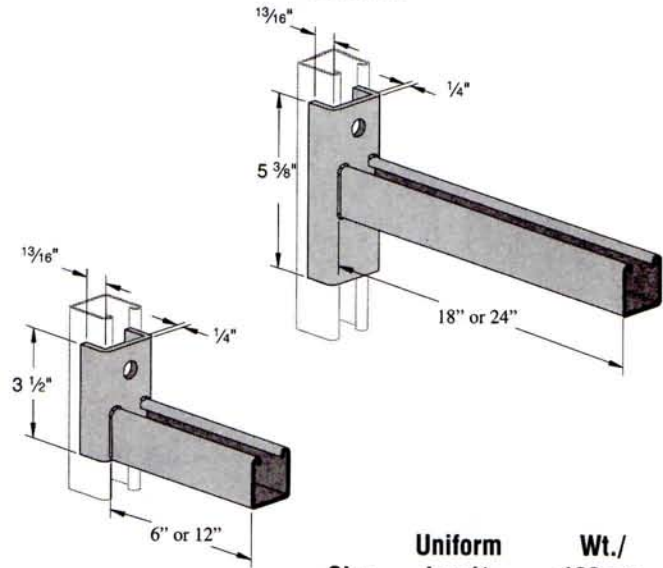


### PS 626 – Pipe Stop



NOTE: For use with 2" to 8" Pipe  
 Weight/100 pcs: 40 lbs.

### PS 661 T1, PS 661 T2 – Wrap-Around Channel Bracket

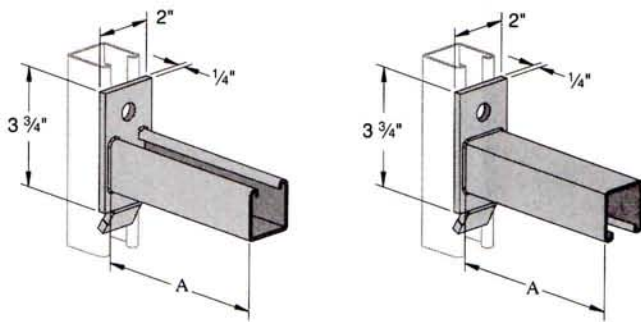


Size	Uniform Load*	Wt./ 100 pcs
6"	1,600	191
12"	800	292
18"	600	436
24"	450	536

NOTE: PS 661 T1 (Slot up) illustrated  
 PS 661 T2 (Slot down) not shown

\*Mounted on 12 Ga. Channel

### PS 808 T1, PS 808 T2 – Interlocking Channel Bracket



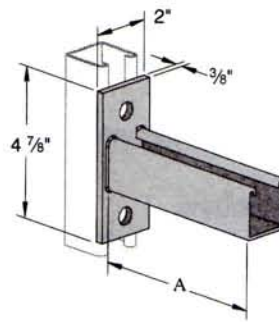
(PS 808 T1 Slot Up)

(PS 808 T2 Slot Down)

A Size	Uniform Load*	Wt./ 100 pcs
6"	1,200	161
12"	600	261
18"	400	361
24"	300	461

\*Mounted on 12 Ga. Channel

### PS 651 – Reversible Channel Bracket



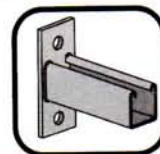
A Size	Uniform Load*	Wt./ 100 pcs
6"	1,200	185
12"	600	293
18"	400	401
24"	300	509

\*Mounted on 12 Ga. Channel

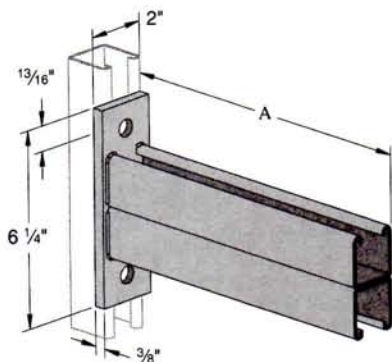


General Information

Finish: Painted green or Electro-galvanized  
Order By: No., Size & Finish



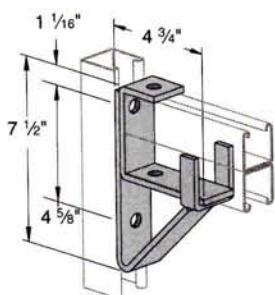
**PS 809 – Double Channel Bracket**



A Size	Uniform Load*	Wt./ 100 pcs
12"	2,000	502
18"	1,300	692
24"	1,000	882
30"	800	1,072
36"	650	1,262

\*Mounted on 12 Ga. Channel

**PS 3164 – Double Channel Bracket Support**



Weight/100 pcs: 273 lbs.

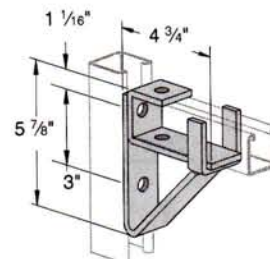
Use With: PS 200 2T3, PS 210 2T3

Design Moment on Upright Channel:

- 16 ga. channel 6,500 in.-lbs.
- 14 ga. channel 9,100 in.-lbs.
- 12 ga. channel 13,000 in.-lbs.

NOTE: Moment is for fitting only.  
Channel may determine overall capacity

**PS 708 – Single Channel Bracket Support**



Weight/100 pcs: 235 lbs.

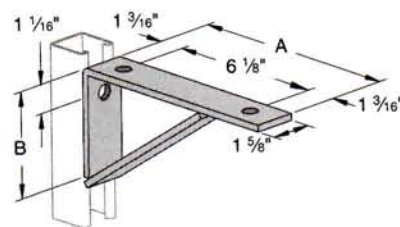
Use With: PS 200, PS 210, PS 500 2T3

Design Moment on Upright Channel:

- 16 ga. channel 3,200 in.-lbs.,
- 14 ga. channel 4,400 in.-lbs.
- 12 ga. channel 5,100 in.-lbs.

NOTE: Moment is for fitting only.  
Channel may determine overall capacity

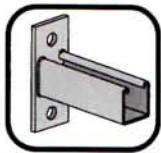
**PS 732 – Shelf Bracket**



Size	A	B	Uniform Load*	Wt./ 100 pcs
8"	8 1/2"	4"	800	168
10"	10 1/2"	4"	800	202
12"	12 1/2"	6"	900	258
14"	14 1/2"	6"	900	292
16"	16 1/2"	6"	1,200	381
18"	18 1/2"	6"	1,200	416
20"	20 1/2"	6"	1,000	461

\*Mounted on 12 ga. channel

# BRACKETS

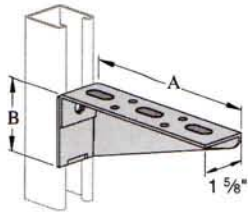


## General Information

Finish: Painted green or Electro-galvanized  
Order By: No., Size & Finish



### PS 838 R or L – Shelf Bracket



Right Hand Illustrated

A Size	B	Uniform Load Rating*	Wt./ 100 pcs
6"	2 <sup>15</sup> / <sub>16</sub> "	275	58
8"	2 <sup>15</sup> / <sub>16</sub> "	275	83
10"	2 <sup>15</sup> / <sub>16</sub> "	275	114
12"	3 <sup>7</sup> / <sub>16</sub> "	275	149
14"	3 <sup>15</sup> / <sub>16</sub> "	275	174
16"	4 <sup>7</sup> / <sub>16</sub> "	275	225
18"	4 <sup>15</sup> / <sub>16</sub> "	275	255
20"	5 <sup>7</sup> / <sub>16</sub> "	275	295
22"	5 <sup>15</sup> / <sub>16</sub> "	275	361
24"	6 <sup>7</sup> / <sub>16</sub> "	275	396
26"	6 <sup>15</sup> / <sub>16</sub> "	275	456
28"	7 <sup>7</sup> / <sub>16</sub> "	275	479
30"	7 <sup>15</sup> / <sub>16</sub> "	275	544

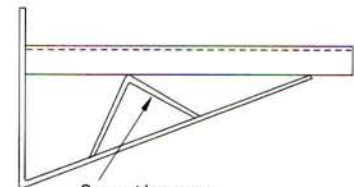
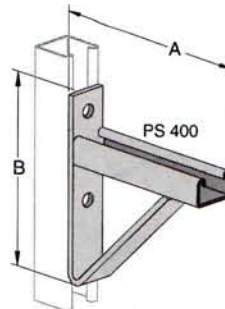
Stock Thickness: .105

NOTE: Specify R (Right)

or L (Left) when ordering.

\* Mounted on 12 ga. channel.

### PS 3282 – Cable Tray Strut Bracket



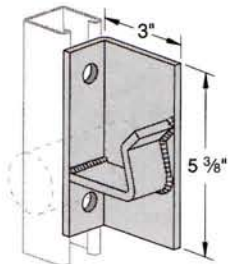
Support brace on 24", 30" and 36" only.

A	B	Uniform Load*	Wt./ 100 pcs
12"	8 <sup>3</sup> / <sub>4</sub> "	1,900	388
18"	8 <sup>3</sup> / <sub>4</sub> "	1,000	506
24"	8 <sup>3</sup> / <sub>4</sub> "	1,000	763
30"	11 <sup>1</sup> / <sub>4</sub> "	900	1,012
36"	11 <sup>1</sup> / <sub>4</sub> "	800	1,083

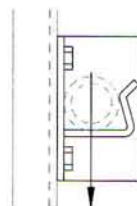
NOTE: PS 400 channel welded to 1/4" stock

\* Mounted on 12 ga. channel.

### PS 825 R or L – Single Pipe Axle Support

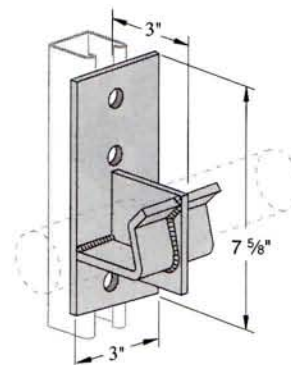


Right Hand Illustrated



Load

### PS 826 – Double Pipe Axle Support



Weight/100 pcs.: 310 lbs.

Load Rating: 4,000 lbs.

Weight/100 pcs: 220 lbs.

Load Rating: 2,000 lbs.

NOTE: Specify R (Right) or L (Left) when ordering.

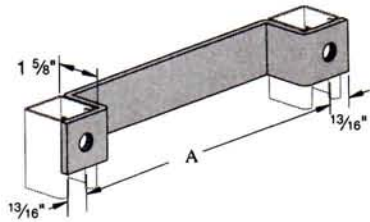


General Information

Finish: Painted green or Hot Dipped Galvanized  
Order By: No., Size & Finish

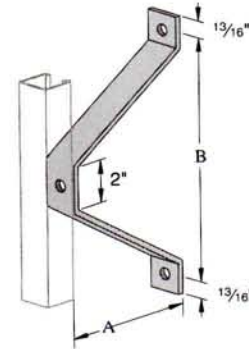


**PS 2401 thru PS 2403 – Ladder Rung**



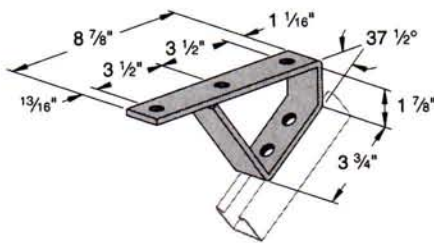
Part No.	"A" Hole to Hole	Wt./ 100 pcs
PS 2401	12"	186
PS 2402	15"	221
PS 2403	18"	254

**PS 2404 thru PS 2408 – Wall Ladder Bracket**



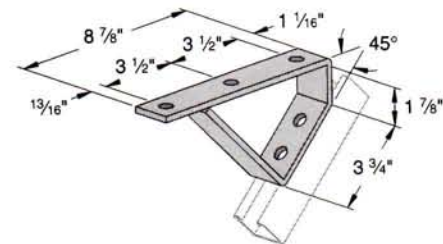
Part No.	A	B	Wt./ 100 pcs
PS 2404	2 3/8"	6"	113
PS 2405	4 3/8"	8"	164
PS 2406	6 3/8"	10"	216
PS 2407	8 3/8"	12"	267
PS 2408	10 3/8"	14"	318

**PS 2422 – 37 1/2° Degree Stair Tread Support**



Weight/100 pcs: 213 lbs.

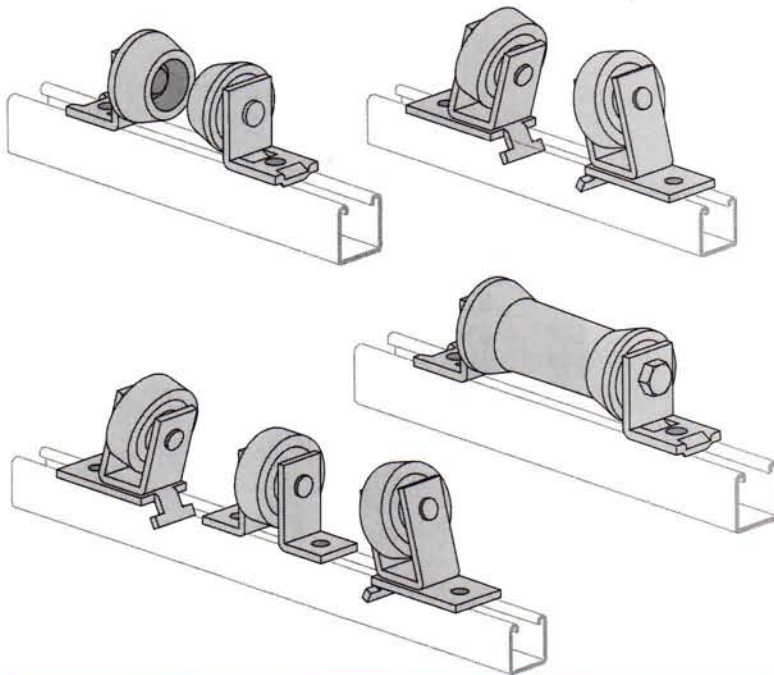
**PS 2421 – 45° Degree Stair Tread Support**



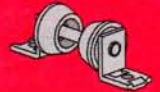
Weight/100 pcs: 220 lbs.



# POWER-STRUT®



## ROLLERS



*Power-Strut rollers feature cast iron rollers and steel brackets formed by punch press dies. The brackets have holes for attachment to channel with a standard channel nut and bolt.*

### **MATERIAL:**

Power-Strut pipe rollers consist of cast iron rollers and steel brackets. The steel brackets are punched from hot rolled, pickled and oiled mild steel.

### **STANDARD FINISH:**

Standard finish for the roller is plain while brackets are painted green or electro-galvanized.

### **ORDERING INFORMATION:**

When ordering, add the length or size and finish to the part number. See pages 4 - 6 for finish abbreviations and an example.

# ROLLERS

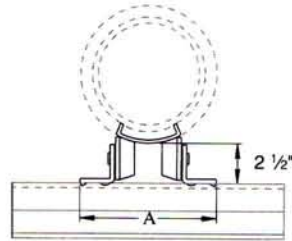
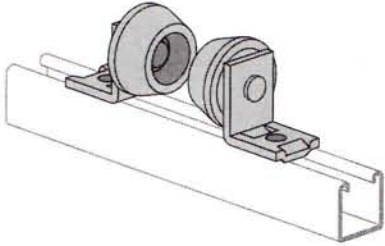


General Information

Order By: No. & Size



## PS 1901 – Two-Piece Pipe Roller



Use With: 1/2"-4" pipe

Load Rating: 500 lbs.

Chart for Dimension A

Pipe Size	No Insulation	Insulation Thickness					
		1"	1 1/2"	2"	2 1/2"	3"	4"
1/2"	6 1/2"	6 1/2"					
3/4"	6 1/2"	6 1/2"	6 5/8"	6 7/8"			
1"	6 1/2"	6 1/2"	6 5/8"	6 7/8"			
1 1/4"	6 1/2"	6 1/2"	6 7/8"	7 1/8"	7 3/8"		
1 1/2"	6 1/2"	6 1/2"	6 7/8"	7 1/8"	7 3/8"		
2"	6 1/2"	6 5/8"	7 1/8"	7 3/8"	7 1/2"	8"	
2 1/2"	6 1/2"	6 5/8"	7 1/8"	7 3/8"	7 1/2"	8"	
3"	6 1/2"	7"	7 1/2"	7 3/4"	7 7/8"	8 1/8"	
3 1/2"	6 1/2"	7"	7 1/2"	7 3/4"	7 7/8"	8 1/8"	
4"	6 5/8"	7 1/4"	7 5/8"	7 7/8"	8"	8 3/8"	9"

Material: Bracket - steel; Roller - cast iron (or aluminum)

Finish: Green or galvanized; Roller - plain

Weight/100 pair: 268 lbs.

## PS 815 – Two-Piece, Heavy Duty Pipe Roller

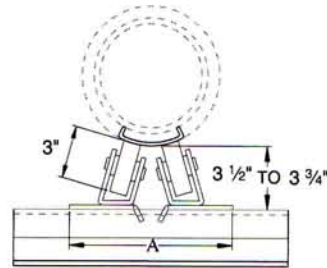
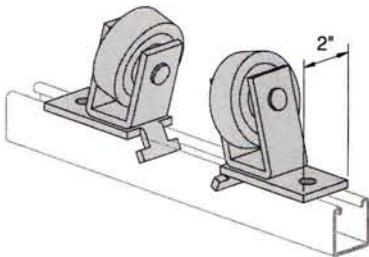


Chart for Dimension A

Pipe Size	No Insulation	Insulation Thickness					
		1"	1 1/2"	2"	2 1/2"	3"	4"
6"	9 1/2"	10 1/4"	10 1/2"	10 3/4"	11"	11 3/8"	11 7/8"
8"	10 1/8"		11"	11 3/8"	11 3/4"	12"	12 1/2"
10"	10 3/4"		11 5/8"	12"	12 1/4"	12 1/2"	13"
12"	11 1/4"		12 1/8"	12 1/2"	12 3/4"	13"	13 1/2"
14"	11 5/8"		12 1/2"	12 7/8"	13"	13 3/8"	14"
16"	12 1/8"		13"	13 3/8"	13 7/8"	14"	14 1/2"

Material: Bracket - steel; Roller - cast iron

Finish: Green or galvanized; Roller - plain

Weight/100 pair: 680 lbs.

Use With: 6-16" pipe

Load Rating: 1500 lbs.





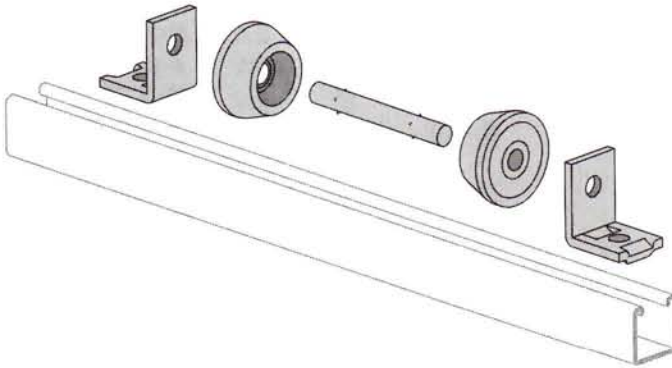
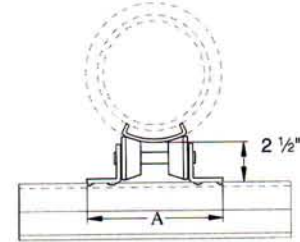
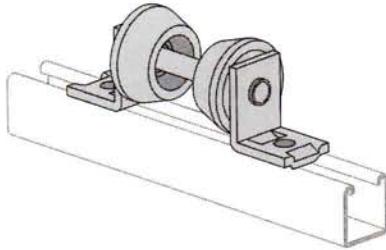
# ROLLERS

General Information

Order By: No. & Size



## PS 1902 – Pipe-Roller Assembly



Part Number	A	Wt./ 100 pcs.
PS 1902 - 1"-2"	6 <sup>3</sup> / <sub>4</sub>	299
PS 1902 - 2 <sup>1</sup> / <sub>2</sub> "-3 <sup>1</sup> / <sub>2</sub> "	7 <sup>1</sup> / <sub>2</sub>	304
PS 1902 - 4"-6"	8 <sup>1</sup> / <sub>2</sub>	311
PS 1902 - 8"	9 <sup>9</sup> / <sub>16</sub>	319

Pipe Size	No Insulation	Insulation Thickness					
		1"	1 <sup>1</sup> / <sub>2</sub> "	2"	2 <sup>1</sup> / <sub>2</sub> "	3"	4"
1/2"	PS 1902 - 1"-2"	PS 1902 - 1"-2"	PS 1902 - 1"-2"	PS 1902 - 2 <sup>1</sup> / <sub>2</sub> "-3 <sup>1</sup> / <sub>2</sub> "			
3/4"	PS 1902 - 1"-2"	PS 1902 - 1"-2"	PS 1902 - 1"-2"	PS 1902 - 1"-2"	PS 1902 - 2 <sup>1</sup> / <sub>2</sub> "-3 <sup>1</sup> / <sub>2</sub> "		
1"	PS 1902 - 1"-2"	PS 1902 - 1"-2"	PS 1902 - 1"-2"	PS 1902 - 1"-2"	PS 1902 - 2 <sup>1</sup> / <sub>2</sub> "-3 <sup>1</sup> / <sub>2</sub> "		
1 <sup>1</sup> / <sub>4</sub> "	PS 1902 - 1"-2"	PS 1902 - 1"-2"	PS 1902 - 1"-2"	PS 1902 - 2 <sup>1</sup> / <sub>2</sub> "-3 <sup>1</sup> / <sub>2</sub> "	PS 1902 - 2 <sup>1</sup> / <sub>2</sub> "-3 <sup>1</sup> / <sub>2</sub> "		
1 <sup>1</sup> / <sub>2</sub> "	PS 1902 - 1"-2"	PS 1902 - 1"-2"	PS 1902 - 2 <sup>1</sup> / <sub>2</sub> "-3 <sup>1</sup> / <sub>2</sub> "	PS 1902 - 2 <sup>1</sup> / <sub>2</sub> "-3 <sup>1</sup> / <sub>2</sub> "	PS 1902 - 2 <sup>1</sup> / <sub>2</sub> "-3 <sup>1</sup> / <sub>2</sub> "	PS 1902 - 2 <sup>1</sup> / <sub>2</sub> "-3 <sup>1</sup> / <sub>2</sub> "	
2"	PS 1902 - 1"-2"	PS 1902 - 1"-2"	PS 1902 - 2 <sup>1</sup> / <sub>2</sub> "-3 <sup>1</sup> / <sub>2</sub> "	PS 1902 - 2 <sup>1</sup> / <sub>2</sub> "-3 <sup>1</sup> / <sub>2</sub> "	PS 1902 - 2 <sup>1</sup> / <sub>2</sub> "-3 <sup>1</sup> / <sub>2</sub> "	PS 1902 - 2 <sup>1</sup> / <sub>2</sub> "-3 <sup>1</sup> / <sub>2</sub> "	
2 <sup>1</sup> / <sub>2</sub> "	PS 1902 - 1"-2"	PS 1902 - 1"-2"	PS 1902 - 2 <sup>1</sup> / <sub>2</sub> "-3 <sup>1</sup> / <sub>2</sub> "	PS 1902 - 2 <sup>1</sup> / <sub>2</sub> "-3 <sup>1</sup> / <sub>2</sub> "	PS 1902 - 2 <sup>1</sup> / <sub>2</sub> "-3 <sup>1</sup> / <sub>2</sub> "	PS 1902 - 2 <sup>1</sup> / <sub>2</sub> "-3 <sup>1</sup> / <sub>2</sub> "	
3"	PS 1902 - 1"-2"	PS 1902 - 2 <sup>1</sup> / <sub>2</sub> "-3 <sup>1</sup> / <sub>2</sub> "	PS 1902 - 2 <sup>1</sup> / <sub>2</sub> "-3 <sup>1</sup> / <sub>2</sub> "	PS 1902 - 4"-6"	PS 1902 - 4"-6"	PS 1902 - 4"-6"	PS 1902 - 4"-6"
3 <sup>1</sup> / <sub>2</sub> "	PS 1902 - 1"-2"	PS 1902 - 2 <sup>1</sup> / <sub>2</sub> "-3 <sup>1</sup> / <sub>2</sub> "	PS 1902 - 2 <sup>1</sup> / <sub>2</sub> "-3 <sup>1</sup> / <sub>2</sub> "	PS 1902 - 4"-6"	PS 1902 - 4"-6"	PS 1902 - 4"-6"	PS 1902 - 4"-6"
4"	PS 1902 - 1"-2"	PS 1902 - 2 <sup>1</sup> / <sub>2</sub> "-3 <sup>1</sup> / <sub>2</sub> "	PS 1902 - 2 <sup>1</sup> / <sub>2</sub> "-3 <sup>1</sup> / <sub>2</sub> "	PS 1902 - 4"-6"	PS 1902 - 4"-6"	PS 1902 - 4"-6"	PS 1902 - 4"-6"
5"	PS 1902 - 2 <sup>1</sup> / <sub>2</sub> "-3 <sup>1</sup> / <sub>2</sub> "	PS 1902 - 4"-6"	PS 1902 - 4"-6"	PS 1902 - 4"-6"	PS 1902 - 4"-6"	PS 1902 - 4"-6"	PS 1902 - 8"
6"	PS 1902 - 2 <sup>1</sup> / <sub>2</sub> "-3 <sup>1</sup> / <sub>2</sub> "	PS 1902 - 4"-6"	PS 1902 - 4"-6"	PS 1902 - 4"-6"	PS 1902 - 4"-6"	PS 1902 - 4"-6"	PS 1902 - 8"
8"	PS 1902 - 2 <sup>1</sup> / <sub>2</sub> "-3 <sup>1</sup> / <sub>2</sub> "	PS 1902 - 4"-6"	PS 1902 - 8"	PS 1902 - 8"	PS 1902 - 8"	PS 1902 - 8"	PS 1902 - 8"

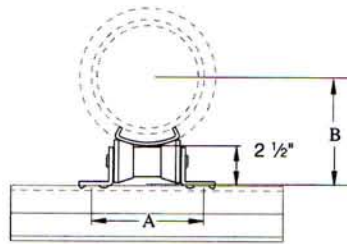
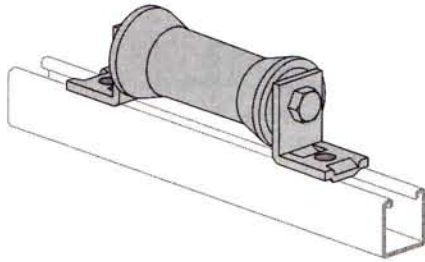
Material: Brackets and shaft - steel; Rollers - cast iron  
 Finish: Brackets - painted green or galvanized;  
 Shaft - electro-galvanized; Rollers - plain

Load Rating: 750 lbs.

# ROLLERS



## PS 1911 – Pipe Roller



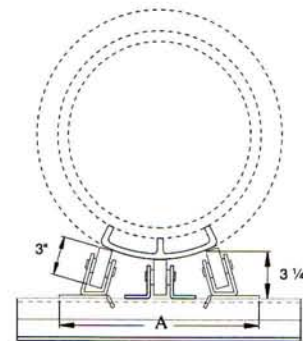
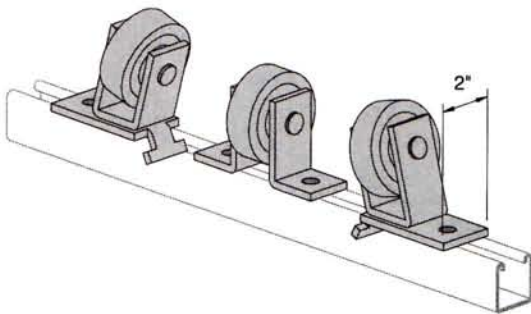
Size	Fits Pipe Size	A	B	Wt./ 100 pcs
2 – 3½"	2"	5"	3"	160
	2½"	5"	3¼"	
	3"	5"	3⅝"	
4 – 6"	3½"	5"	3⅞"	215
	4"	5⅞"	4⅝"	
	5"	5⅞"	4⅞"	
8 – 10"	6"	5⅞"	5⅞"	525
	8"	8⅝"	7⅞"	
	10"	8⅝"	8¼"	
12 – 14"	12"	10⅞"	9⅞"	1,025
	14"	10⅞"	10½"	

Material: Brackets and shaft - steel; Rollers - cast iron

Finish: Brackets - painted green or galvanized; Shaft - electro-galvanized; Rollers - plain

Load Rating: 950 lbs.

## PS 816 – Three Piece, Heavy Duty Pipe Roller



### Chart for Dimension A

Pipe Size	Insulation Thickness				
	1½"	2"	2½"	3"	4"
16"			13⅞"	14"	14½"
18"	13⅝"	14"	14⅞"	14½"	15"
20"	14⅞"	14½"	14¾"	15"	15½"
24"	15¼"	15½"	15⅞"	16⅞"	16⅝"

Material: Brackets - steel; Roller - cast iron

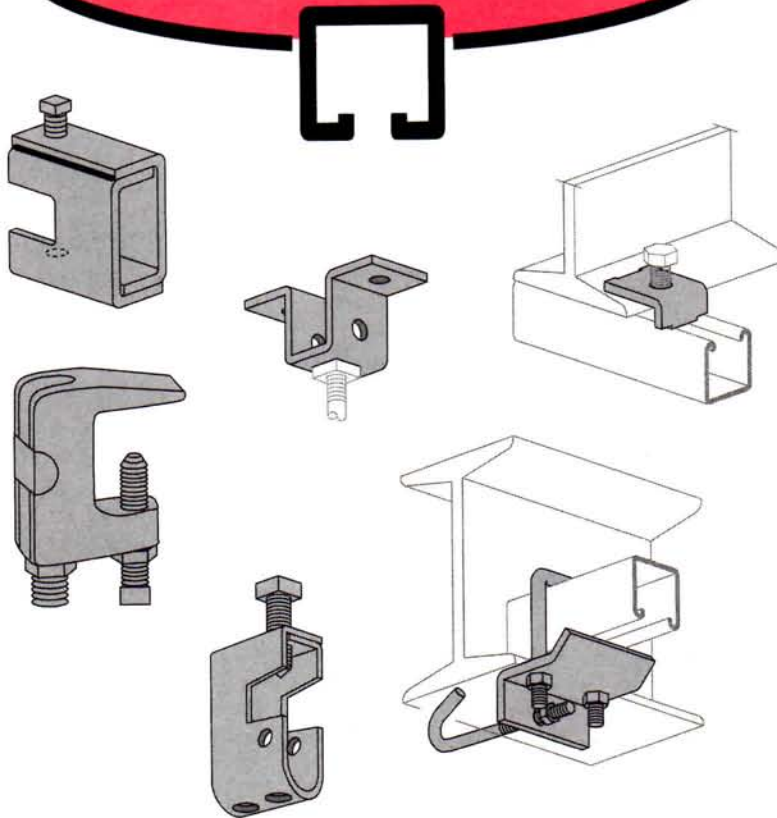
Finish: Brackets - painted green or galvanized; Roller - plain

Weight/100 units: 1,046 lbs.

Use With: 16-24" pipe

Load Rating: 2,000 lbs.

# POWER-STRUT®



*Power-Strut offers beam clamps designed for every loading condition from light to heavy duty. Styles are available to attach to nearly every type of support beam.*

**MATERIAL:**

Power-Strut beam clamps are cold formed from hot rolled, pickled and oiled steel. Square head, cone point set screws are furnished where noted. Cast beam clamps are made from high quality malleable iron.

**STANDARD FINISH:**

Standard finish is plain or electro-galvanized.

**ORDERING INFORMATION:**

When ordering, add the length or size and finish to the part number. See pages 4 - 6 for finish abbreviations and an example.

## BEAM CLAMPS



# BEAM CLAMPS

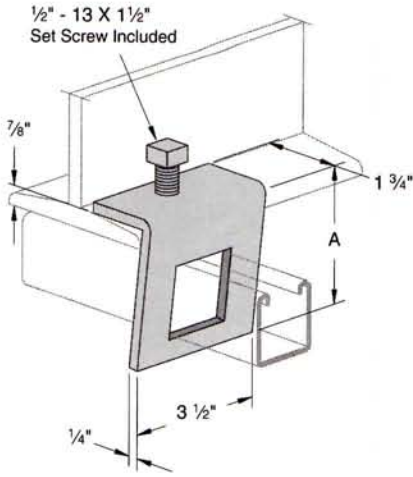


## General Information

Finish: Painted green or Electro-Galvanized  
 NOTE: Use in pairs or with other support.  
 Order By: No. & Finish

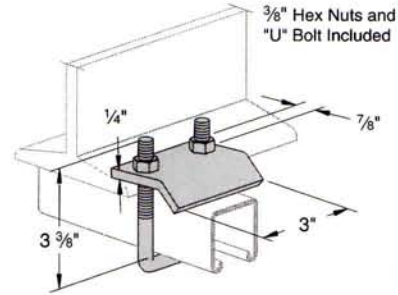


### PS 855 – Angular “I” Beam Clamp



Part No.	Use With	A	Load Rating	Wt./ 100 pcs.
PS 855-1	PS 200, PS 210	3 1/2"	500	107
PS 855-2	PS 500	2 11/16"	500	98

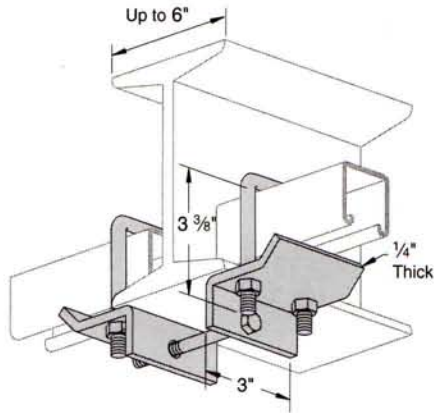
### PS 2651 – Beam Clamp



Part No.	Use With	A	Load Rating	Wt./ 100 pcs.
PS 2651 T1	PS 200, PS 210 PS 300, PS 400 PS 500, PS 520	3 3/8"	1,000	83
PS 2651 T2	PS 100, PS 150 PS 200 2T3	5"	1,000	92

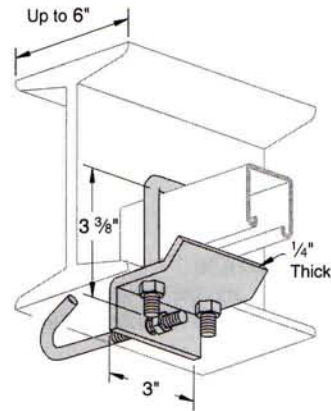
Finish: Electro-galvanized

### PS 2657 – Double U Beam Clamp



Specify 6" or 12" max. flange width (Example: PS 2657 T1-6")  
 T1 Use with PS 200, PS 210, PS 300, PS 400, PS 500, PS 520  
 T2 Use with PS 100, PS 150, PS 200 2T3  
 Weight/100 pcs: 280 lbs.

### PS 2656 – U Bolt Beam Clamp With Hook



Specify 6" or 12" max. flange width (Example: PS 2656 T1-6")  
 T1 Use with PS 200, PS 210, PS 300, PS 400, PS 500, PS 520  
 T2 Use with PS 100, PS 150, PS 200 2T3  
 Weight/100 pcs: 143 lbs.



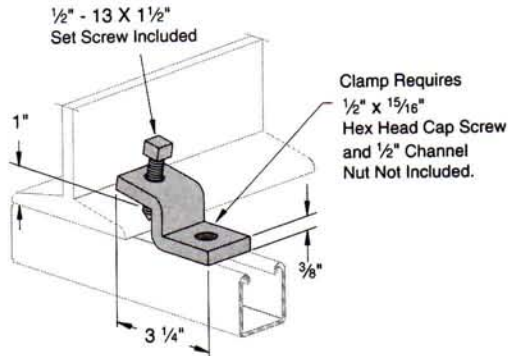
# BEAM CLAMPS

## General Information

Finish: Painted green or Electro-Galvanized  
 NOTE: Use in pairs or with other support.  
 Order By: No. & Finish

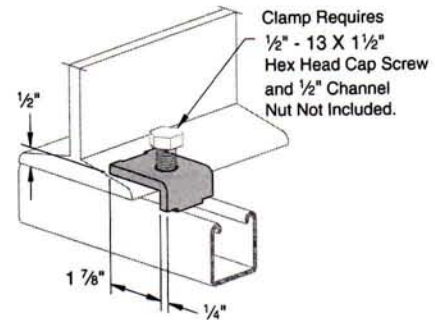


### PS 685 – Beam Clamp



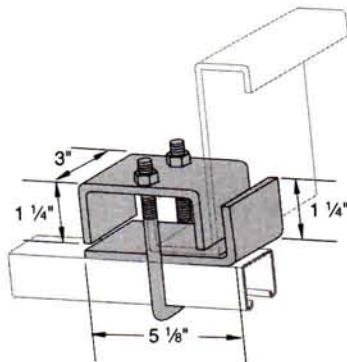
Stock Thickness: 3/8"  
 Weight/100 pcs: 63 lbs.  
 Load Rating: 450 lbs.

### PS 686 – Beam Clamp



Weight/100 pcs: 26 lbs.  
 Load Rating: 600 lbs. with 12 ga. channel  
 500 lbs. with 14 ga. channel

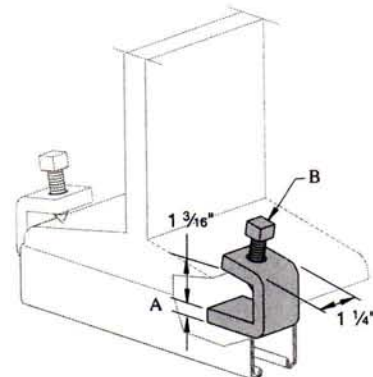
### PS 2653 – Purlin Clamp



Part No.	Use With	Load Rating	Wt./ 100 pcs.
PS 2653 T1	PS 200, PS 210, PS 300	1,200	175
PS 2653 T2	PS 100, PS 150, PS 200 2T3	1,200	179

Finish: Electro-galvanized

### PS 907, PS 998 – "I" Beam Clamp



Stock Part #	Set Thickness	Load Rating Screw	Wt./ lbs.	100 pcs.
PS 907	1/4"	3/8"	450	26
PS 998	3/8"	1/2"	900	64

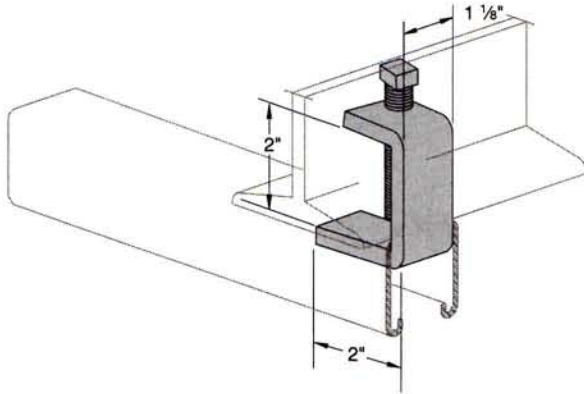
# BEAM CLAMPS



**General Information**  
**Stock Thickness:** 1/4"  
**Finish:** Painted green or Electro-Galvanized  
**Hole Diameter:** 9/16"  
**NOTE:** Use in pairs or with other support  
**Order By:** No. & Size

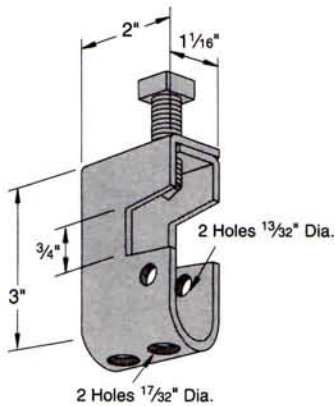


## PS 916 – “I” Beam Clamp



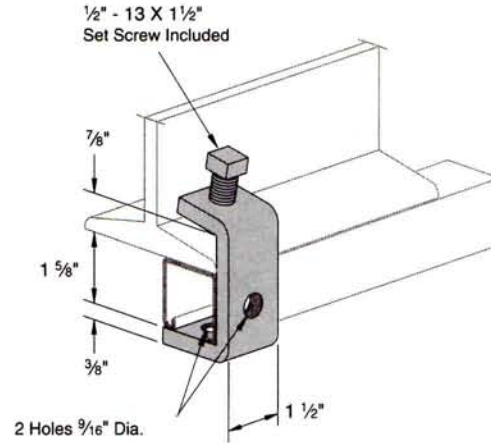
**Stock Thickness:** 3/8"  
**Weight/100 pcs:** 72 lbs.  
**Load Rating:** 900 lbs.

## PS 2622 – Beam Clamp



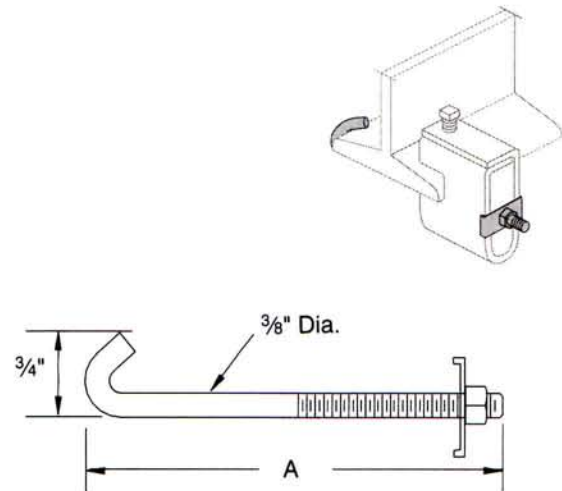
**Weight/100 pcs:** 41 lbs.  
**Load Rating:** 300 lbs.  
 Assembly including PS 736 also available.  
 Order PS 2622/J6 or PS 2622/J10  
**NOTE:** Adaptable for 1/4", 3/8" & 1/2" rod with PS 3201.

## PS 684 – “I” Beam Clamp



**Stock Thickness:** 3/8"  
**Weight/100 pcs:** 94 lbs.  
**Load Rating:** 500 lbs.

## PS 736 – Hook Rod Assembly



Part No.	Flange Max	Width Min	A Size	Wt./ 100 pcs
PS 736 J6	7"	3"	8 5/8"	24
PS 736 J10	11"	7"	12 5/8"	33

Use With: PS 2622 Beam Clamp



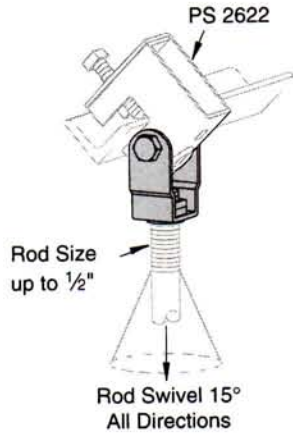
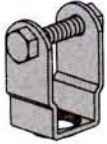
# BEAM CLAMPS

General Information

Finish: Electro-Galvanized  
Order By: No. & Size



## PS 2623 – Swivel Adaptor



Weight/100 pcs: 31 lbs.

Use With: PS 2622 Beam Clamp or  
PS 2624 Wood Beam Hanger

Load Rating: 300 lbs.

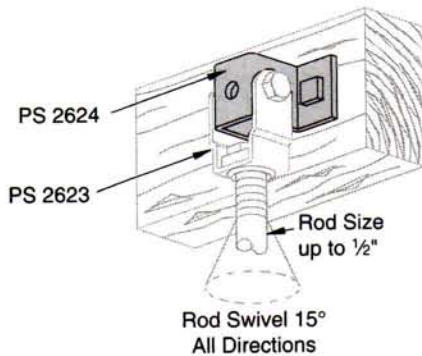
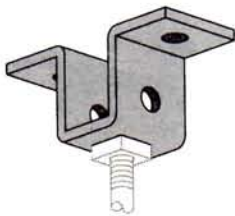
## PS 3201 – Swivel Nut



Rod Size	Wt./ 100 pcs
1/4"	4
3/8"	4
1/2"	3

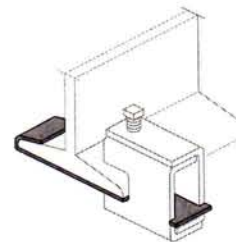
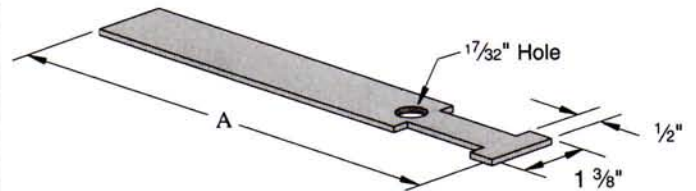
Use With: PS 2622 Beam Clamp

## PS 2624 – Wood Beam Hanger



Weight/100 pcs: 22 lbs.

## PS 871 – Safety Anchor Strap



"A" Length	Wt./ 100 pcs
9"	33
12"	45
15"	57

Use with: PS 858, PS 865 (Cannot be used with 5/8" rod size beam clamps, except PS 858L 5/8")

# BEAM CLAMPS

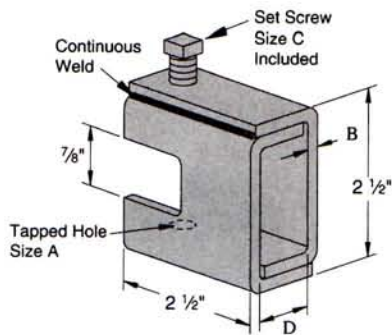


## General Information

**Material:** Steel  
**Finish:** Electro-Galvanized  
**Order By:** No. & Size

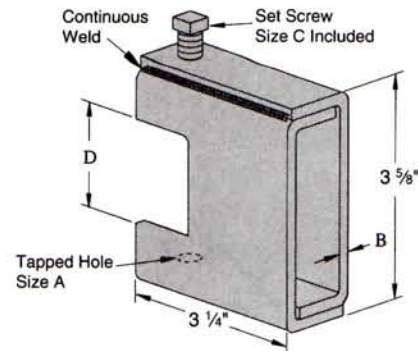


### PS 858, PS 858L – Heavy Duty Beam Clamp



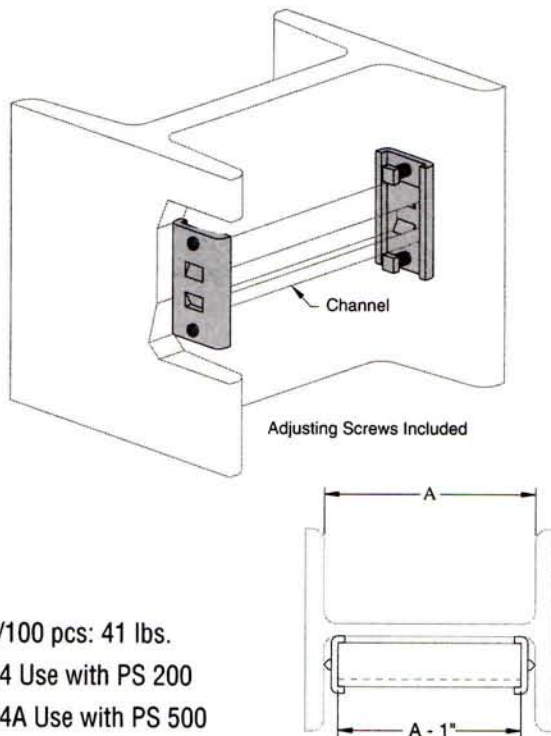
Part Number	"A" Rod Size	B	C	D	Load Ratings	Wt./ 100 pcs
PS 858 1/4	1/4" - 20	1/8"	3/8" x 1 1/2"	7/8"	650	67
PS 858 5/16	5/16" - 18	1/8"	3/8" x 1 1/2"	7/8"	650	67
PS 858 3/8	3/8" - 16	3/16"	1/2" x 1 1/2"	1 5/16"	1,100	100
PS 858 1/2	1/2" - 13	1/4"	1/2" x 1 1/2"	1 5/16"	1,600	130
PS 858 5/8	5/8" - 11	5/16"	5/8" x 1 1/2"	1 5/16"	2,400	160
PS 858 3/4	3/4" - 10	5/16"	5/8" x 1 1/2"	1 5/16"	2,400	160

### PS 865 – Wide Throat Heavy Duty Beam Clamp



A Rod Size	B	C	D	Load Ratings	Wt./ 100 pcs
3/8"	3/16"	1/2"	1 11/16"	1,100	151
1/2"	1/4"	1/2"	1 11/16"	1,600	195
5/8"	5/16"	5/8"	1 11/16"	2,400	225

### PS 2654 & PS 2654A – Column Attachment



Weight/100 pcs: 41 lbs.

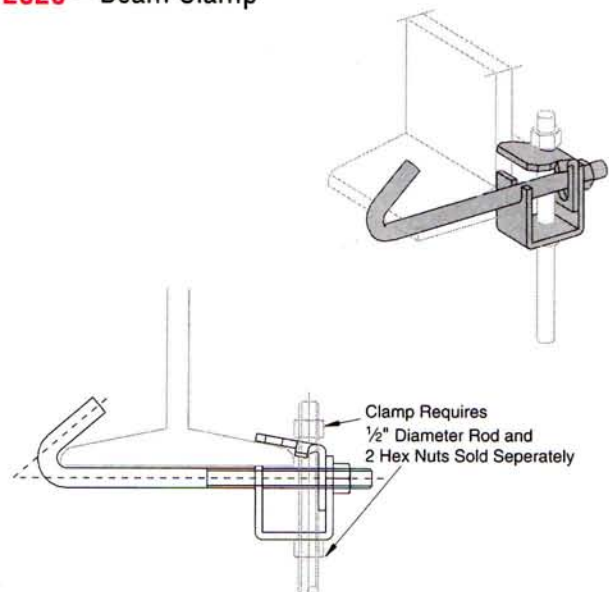
PS 2654 Use with PS 200

PS 2654A Use with PS 500

Slip Rating: 800 lbs.

NOTE: Column attachment can only be used in pairs.

### PS 2626 – Beam Clamp



Part Number	"A" Range	Wt./ 100 Pcs
PS 2626 6	2 1/2" - 6"	125
PS 2626 9	5 1/2" - 9"	140
PS 2626 12	8 1/2" - 12"	171

Finish: Plain, painted green or electro-galvanized

Load Rating: 500 lbs.





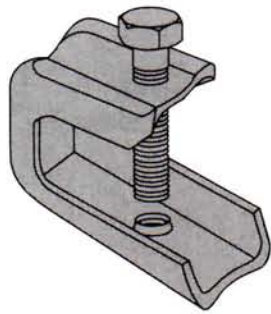
# BEAM CLAMPS

General Information

Material: Steel  
 Finish: Electro-Galvanized  
 Order By: No. & Size

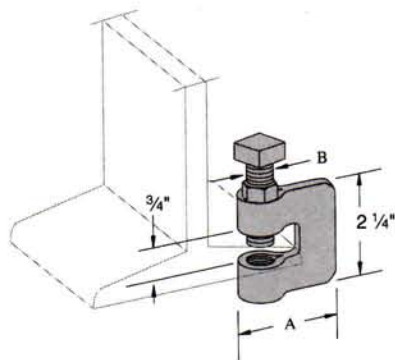


## PS 135X – Light Duty Beam Clamp



Material: Steel  
 Weight/100 pcs: 14 lbs.  
 Use With: 1/4" rod  
 Load Rating: 75 lbs.

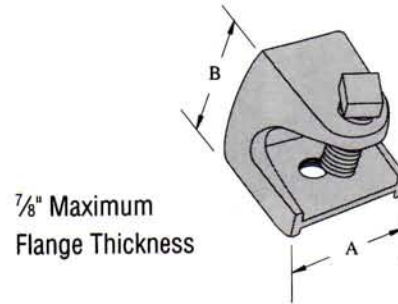
## PS 95 – "C" Clamp



Rod Size	A	B	Load Rating	Wt./ 100 pcs
3/8"	2 5/16"	3/8"	330	35
1/2"	2 1/4"	1/2"	380	41
5/8"	2 3/8"	5/8"	450	67
3/4"	2 1/4"	1/2"	500	72

Material: Steel  
 NOTE: UL Listed for 3/8" rod.

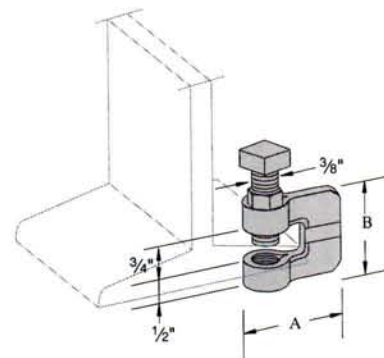
## PS 85 – Rod or Insulator Support



Rod Size	A	B	Load Ratings	Wt./ 100 pcs
1/4"	1 1/8"	1 1/4"	150	23
3/8"	2"	2"	350	95
1/2"	2 5/8"	2 1/2"	400	195

Material: Malleable Iron

## PS 86 – "C" Clamp



Rod Size	A	B	Load Rating	Wt./ 100 pcs
3/8"	1 11/16"	1 3/4"	400	38
1/2"	1 23/32"	1 3/4"	400	52
5/8"	1 15/16"	2"	450	68
3/4"	2 1/32"	2"	600	128

Material: Malleable Iron, Steel Set Screw  
 NOTE: UL Listed for 3/8" rod.

# BEAM CLAMPS

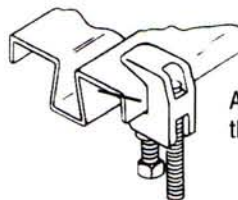
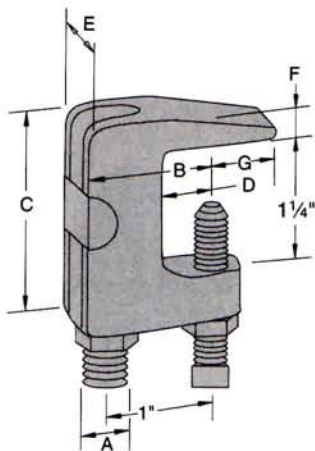


## General Information

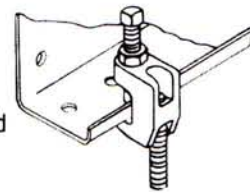
Finish: Plain or Electro-Galvanized  
Order By: No., Size & Finish



### PS 93 – Universal “C” Clamp



At least one full thread must be exposed

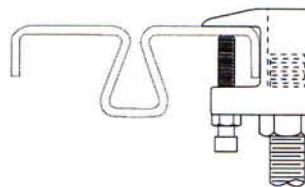
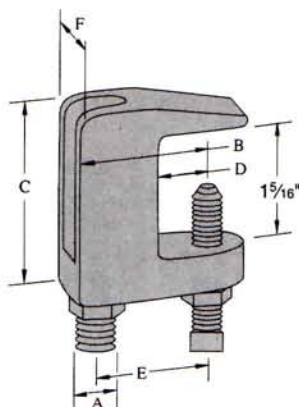


- Maximum temperature of 450° F

Rod Size	DIMENSIONS (Inches)						Max. Pipe Size	Max. Load (Lbs.)		Wt/ 100 pcs
	A	B	C	D	E	F		Top	Bottom	
3/8	1 5/16	2 5/32	2 5/32	9/16	3/8	5/8	4	500	250	41
1/2	1 3/8	2 11/32	2 11/32	1/2	7/16	13/16	8	950	760	75

Material: Malleable Iron, Steel Set Screw

### PS 94 – Wide Throat Top Beam “C” Clamp

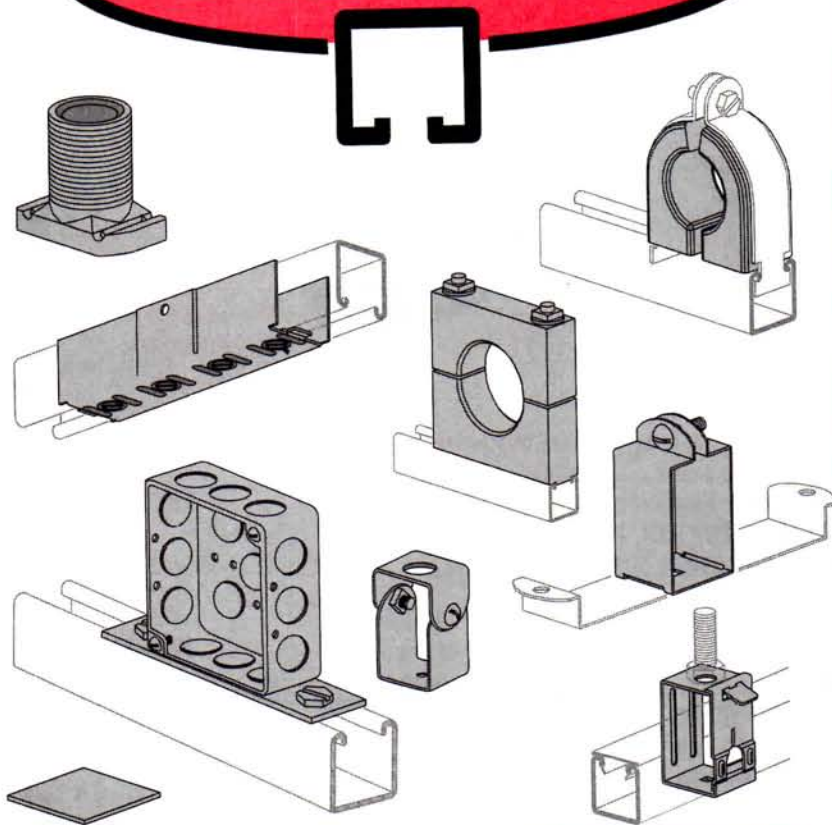


- Maximum temperature of 450° F

Rod Size	DIMENSIONS (Inches)						Max Pipe Size	Max. Load (Lbs.)	Wt/ 100 pcs
	A	B	C	D	E	F			
5/8	1 3/4	2 1/4	3/4	1 1/4	1	10	1,200	66	
3/4	1 7/8	2 3/8	3/4	1 3/8	1 3/16	12	1,600	83	

Material: Malleable Iron, Steel Set Screw

# POWER-STRUT®



*Power-Strut offers a versatile means of supporting lighting, conduits, cable and other portions of an electrical system. Power-Strut is listed as an electrical raceway by Underwriters laboratories as specified by the National Electric Code (Article 352), and CSA approved in accordance with the Canadian Electrical Code (Part 1).*

#### **MATERIAL:**

Power-Strut electrical raceways are cold formed from low carbon steel and meet the requirements of ASTM A-570 Grade 33 in painted green or ASTM A-653 Grade 33 in pre-galvanized material. Plain or electro-galvanized fittings conform to the ASTM A-635 or ASTM A-36 standards while Pre-galvanized fittings meet the requirements of ASTM A-653 Grade 33.

#### **STANDARD LENGTHS:**

Standard lengths of electrical raceway are 10 and 20 feet.  
The Power-Strut closure strips are available only in 10 feet lengths.

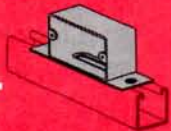
#### **STANDARD FINISH:**

Electrical raceway channel is available in a painted green or pre-galvanized finish. All Power-Strut fittings are available in painted green or electro-galvanized finish. Many fittings are available in pre-galvanized.

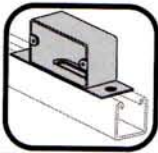
#### **ORDERING INFORMATION:**

When ordering, add the length or size and finish to the part number.  
See pages 4 - 6 for finish abbreviations and an example.  
Refer to page 96 for raceway wire fill information.

**ELECTRICAL**



# ELECTRICAL

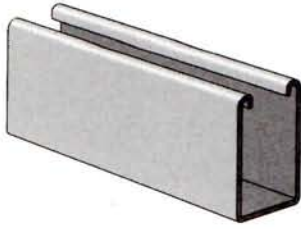


## General Information

Finish: Painted green or Pre-Galvanized  
 Stock Length: 10 feet & 20 feet  
 Order By: No. & Size

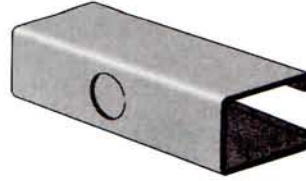


### SOLID RACEWAY\*



Part No.	Section Height
PS 100	3 <sup>1</sup> / <sub>4</sub> "
PS 150	2 <sup>7</sup> / <sub>16</sub> "
PS 200	1 <sup>5</sup> / <sub>8</sub> "
PS 210	1 <sup>5</sup> / <sub>8</sub> "
PS 300	1 <sup>3</sup> / <sub>8</sub> "
PS 400	1"
PS 500	1 <sup>3</sup> / <sub>16</sub> "

### KNOCK-OUT RACEWAY\*

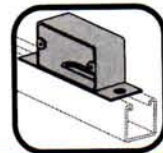


Part No.	Section Height
PS 100 K06	3 <sup>1</sup> / <sub>4</sub> "
PS 150 K06	2 <sup>7</sup> / <sub>16</sub> "
PS 200 K06	1 <sup>5</sup> / <sub>8</sub> "
PS 210 K06	1 <sup>5</sup> / <sub>8</sub> "
PS 300 K06	1 <sup>3</sup> / <sub>8</sub> "
PS 400 K06	1"

### Maximum Number of Wires Types AVB, FEP, FEBP, RH, RHH, RHW, RUH, RUW, T, TW, THHN, THWN, THW, XHHW

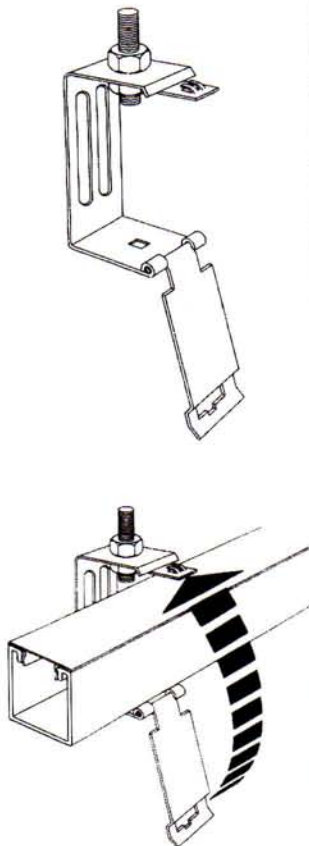
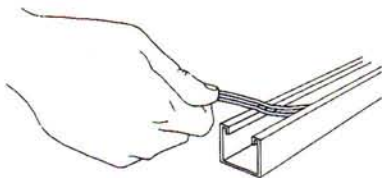
	Raceway Part Numbers	Wt./ 100 Ft.	Height of Section Inches	Wire Size AWG*				
				14	12	10	8	6
<b>Table A</b> – Maximum number of conductors when raceway is installed to support and supply electric discharge type lighting fixtures when raceway wiring is suitable for at least 75 C. EXCEPTION: Wire suitable for 60 C may be used when clearance between raceway and fixtures is at least 1/2 inch.	PS 100, PS 100 K06	305	3 <sup>1</sup> / <sub>4</sub> "	10	10	8	6	4
	PS 150, PS 150 K06	247	2 <sup>7</sup> / <sub>16</sub> "	10	10	8	6	4
	PS 200, PS 200 K06	190	1 <sup>5</sup> / <sub>8</sub> "	6	6	5	4	2
	PS 210, PS 210 K06	141	1 <sup>5</sup> / <sub>8</sub> "	6	6	5	4	2
	PS 300, PS 300 K06	170	1 <sup>3</sup> / <sub>8</sub> "	5	4	4	3	2
	PS 400, PS 400 K06	146	1"	4	3	0	0	0
	PS 500	97	1 <sup>3</sup> / <sub>16</sub> "	4	3	0	0	0
<b>Table B</b> – Maximum number of conductors when raceway is installed to support and supply electric discharge type lighting fixtures when raceway wiring is suitable for at least 75 C and clearance between raceway and fixtures is at least 1/8 inch.	PS 100, PS 100 K06	305	3 <sup>1</sup> / <sub>4</sub> "	10	10	10	9	6
	PS 150, PS 150 K06	247	2 <sup>7</sup> / <sub>16</sub> "	10	10	10	8	6
	PS 200, PS 200 K06	190	1 <sup>5</sup> / <sub>8</sub> "	10	10	8	6	3
	PS 210, PS 210 K06	141	1 <sup>5</sup> / <sub>8</sub> "	10	10	8	6	3
	PS 300, PS 300 K06	170	1 <sup>3</sup> / <sub>8</sub> "	10	10	6	4	2
	PS 400, PS 400 K06	146	1"	6	6	0	0	0
	PS 500	97	1 <sup>3</sup> / <sub>16</sub> "	6	6	0	0	0
<b>Table C</b> – Maximum number of conductors when raceway is not employed with fixtures OR where the clearance between the raceway and fixtures is greater than 1/2 inch.	PS 100, PS 100 K06	305	3 <sup>1</sup> / <sub>4</sub> "	50	42	35	20	13
	PS 150, PS 150 K06	247	2 <sup>7</sup> / <sub>16</sub> "	36	29	25	14	9
	PS 200, PS 200 K06	190	1 <sup>5</sup> / <sub>8</sub> "	22	18	15	9	5
	PS 210, PS 210 K06	141	1 <sup>5</sup> / <sub>8</sub> "	24	20	17	10	6
	PS 300, PS 300 K06	170	1 <sup>3</sup> / <sub>8</sub> "	18	15	13	7	5
	PS 400, PS 400 K06	146	1"	11	9	7	4	3
	PS 500	97	1 <sup>3</sup> / <sub>16</sub> "	9	7	6	4	2
<b>Table C</b> – CSA Certified Maximum number of wires Types R, RW, RWU, T, TW	PS 100, PS 100 K06	305	3 <sup>1</sup> / <sub>4</sub> "	10	10	8	6	4
	PS 150, PS 150 K06	247	2 <sup>7</sup> / <sub>16</sub> "	10	10	8	6	4
	PS 200, PS 200 K06	190	1 <sup>5</sup> / <sub>8</sub> "	8	8	5	4	3
	PS 210, PS 210 K06	141	1 <sup>5</sup> / <sub>8</sub> "	8	8	5	4	3
	PS 300, PS 300 K06	170	1 <sup>3</sup> / <sub>8</sub> "	8	6	5	3	2
	PS 400, PS 400 K06	146	1"	4	3	0	0	0
	PS 500	97	1 <sup>3</sup> / <sub>16</sub> "	4	3	0	0	0

\*In all cases, the snap-in-cover, PS 707, is required to complete raceway enclosures.



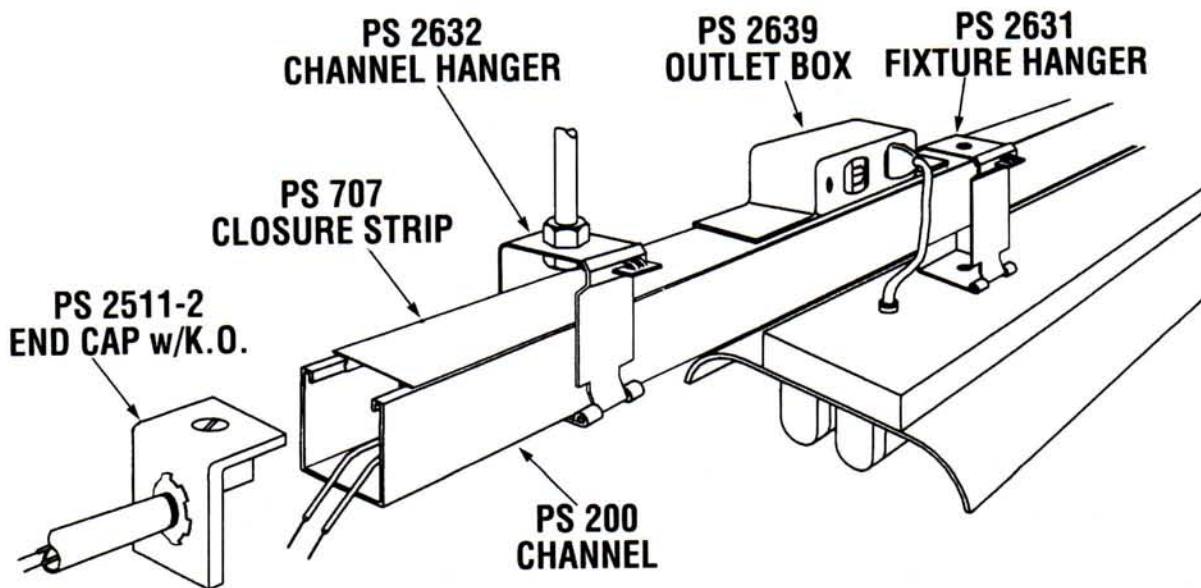
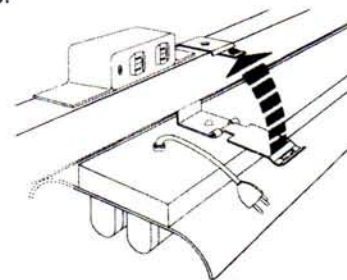
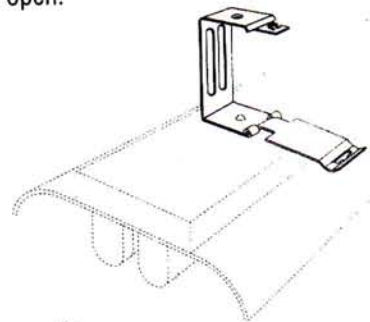
### TO INSTALL CHANNEL

1. Suspend and align PS-2632 Channel hanger from threaded rod at pre-determined level.
2. At floor working level install wiring in channel raceway and add a channel closure strip.
3. Lay raceway into pre-hung channel hanger. Close snap fastening door which securely locks raceway into position.

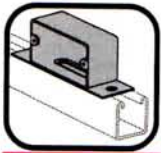


### TO INSTALL FLUORESCENT FIXTURE

1. Attach PS2631 Fixture Hanger to fixture with quick assembly wing-nut leaving door open.
2. Hook fixture over raceway. Close snap fastening door which securely locks fixture into position. Plug in fixture.

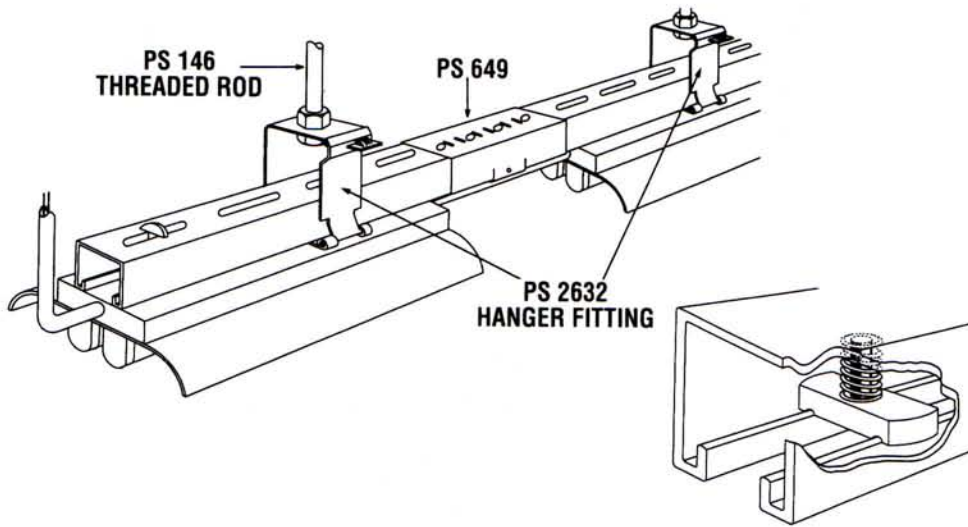
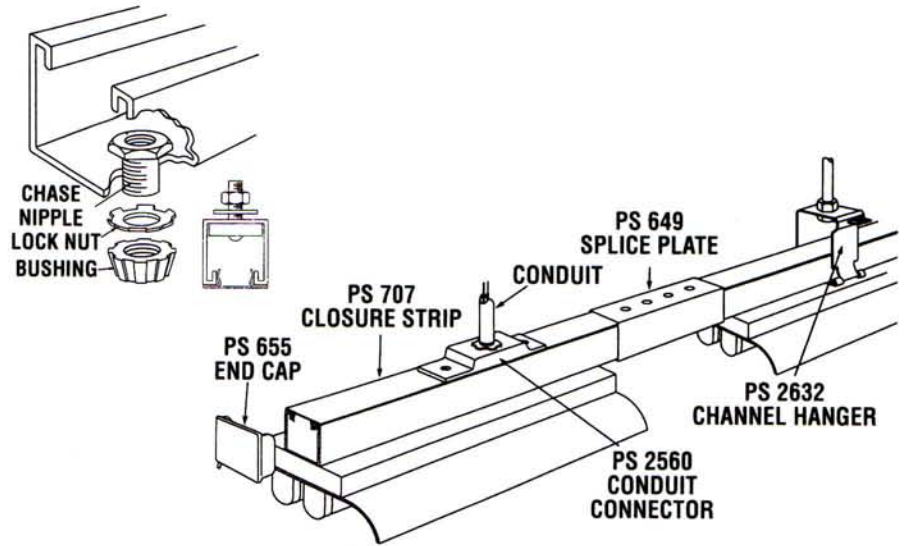


Complete installation in minutes. No screw, bolts or cotter pins to lose.



**KNOCK-OUT FLUORESCENT RACEWAY SYSTEM**

Listed by Underwriter's Laboratories, Inc. Fixture is attached to slot-up channel with Chase nipple, locknut and bushing through knock-outs in bottom of channel. Conduit connector fitting PS-2560 holds channel and fixture to pipe or rod.

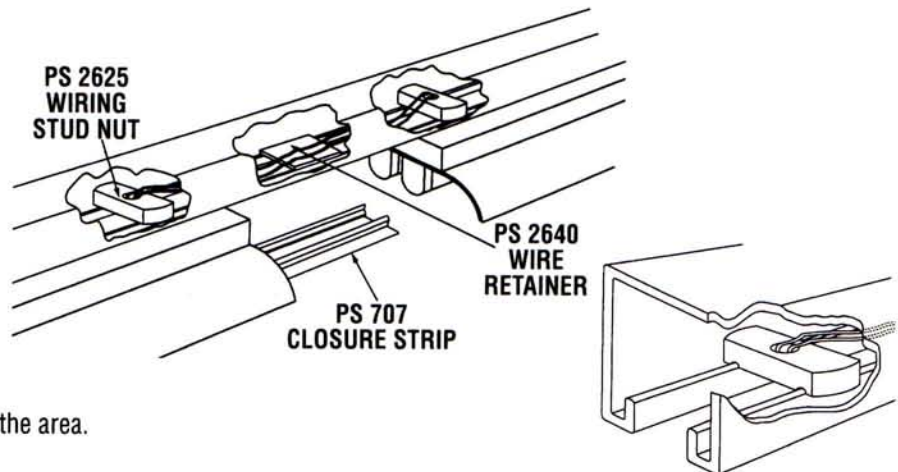


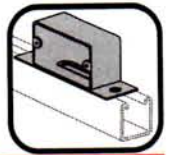
**BASIC FLUORESCENT SUPPORT SYSTEM**

Slot-down channel holds fixture firmly in place with spring nut and bolt. Fixtures may be added or relocated without changing the basic assembly.

**ECONOMY RACEWAY SYSTEM FLUORESCENT**

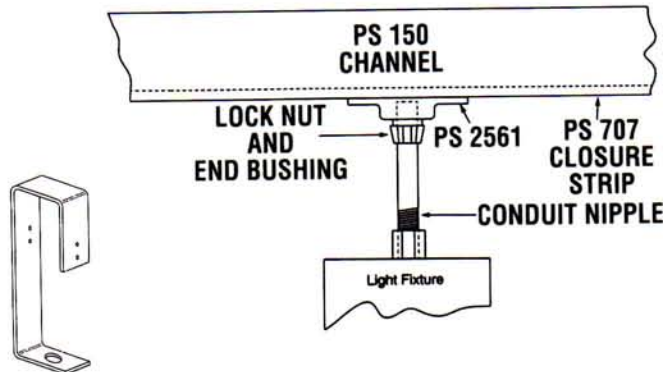
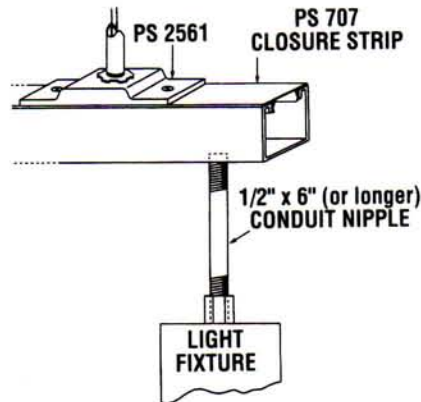
In this slot-down system the circuits run through the fixtures and only enter the channel where there is a break in the fixture run. At that point the fiber wire retainer holds wires in place and snap-in closure strip covers the area.





**KNOCK-OUT MERCURY VAPOR RACEWAY SYSTEM**

Listed by Underwriter's Laboratories, Inc. Fixture is attached to slot-up channel with Chase nipple, locknut and bushing through knock-outs in bottom of channel. Conduit connector fitting PS-2561 holds channel and fixture to pipe or rod.

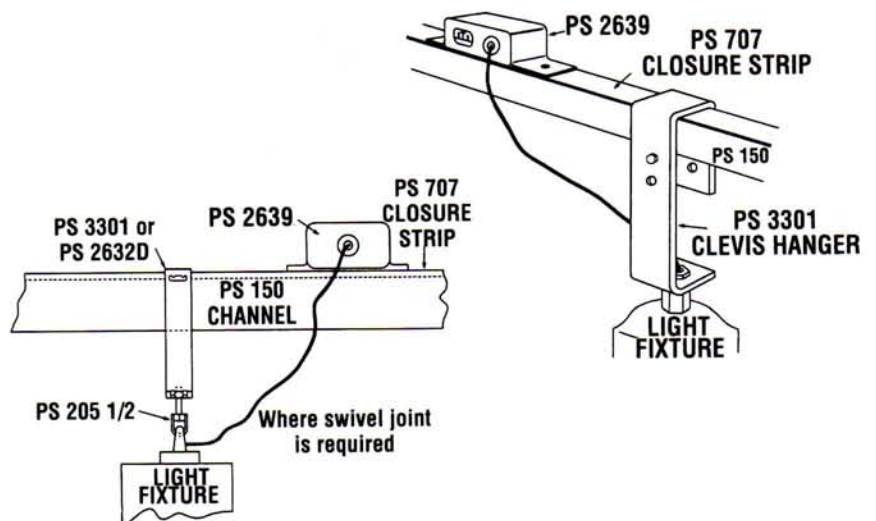


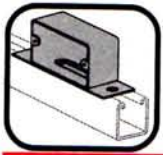
**SLOT DOWN MERCURY VAPOR SYSTEM**

In this slot down system the mercury vapor ballast is wired directly to the system.

**BASIC MERCURY VAPOR SUPPORT SYSTEM – PS-3301 CLEVIS HANGER FOR USE WITH PS-150, PS-200**

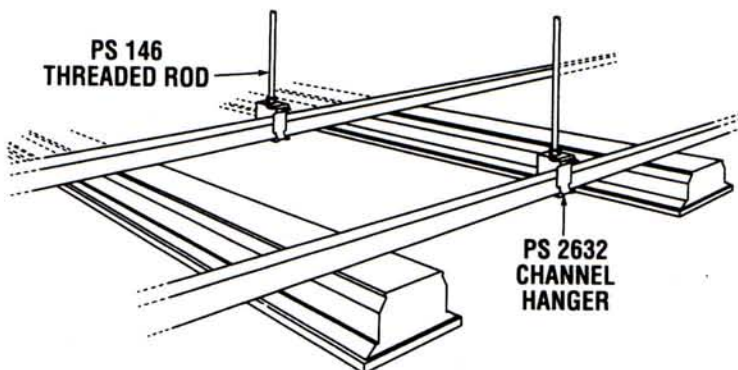
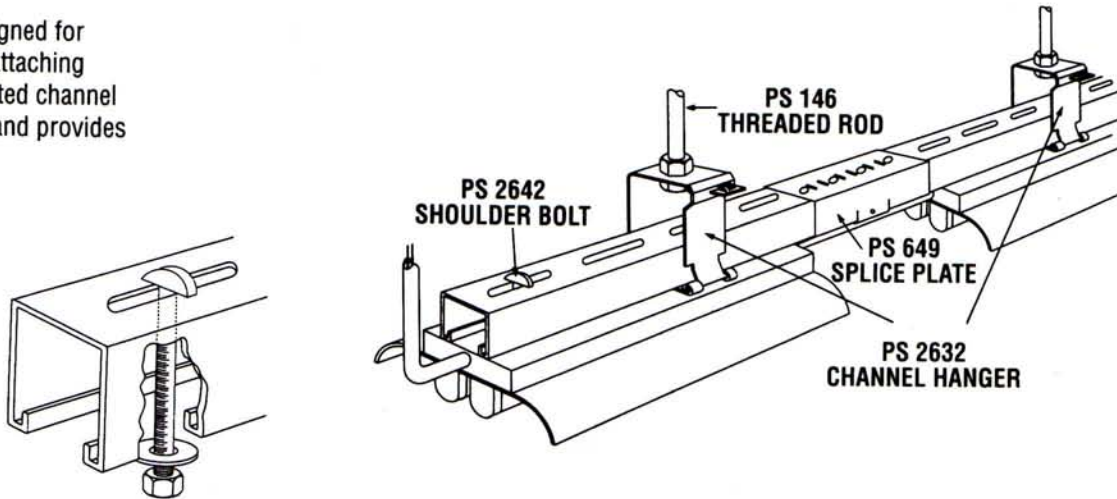
In this slot up or down system, the fixture is supported by PS-3301 clevis hanger which is designed for use with both 1 5/8" and 2 7/16" deep channels.





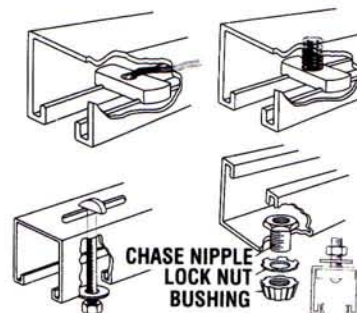
**SLOTTED SUPPORT SYSTEM**

This system is designed for maximum ease of attaching fixture through slotted channel with shoulder bolt and provides positive alignment.

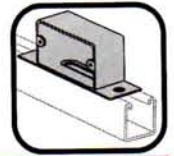


**GRID SYSTEM**

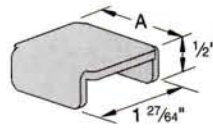
This system is used where fixtures are hung at right angles to Power-Strut raceways and support channels. Any of the features of the above systems can be adapted to this system. Ideal for egg-crate type drop ceiling installations.





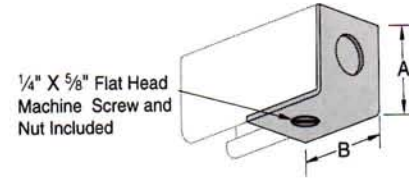


**PS 655, PS 656, PS 901, PS 902, PS 930,  
PS 2580, PS 2585 – Raceway End Caps**



Part No.	Use With	Finish	A	Wt./ 100 pcs
PS 902	PS 100	EG	3 1/4"	22
PS 2580	PS 150	EG	2 7/16"	18
PS 655	PS 200	EG	1 5/8"	11
PS 2585	PS 210	EG	1 5/8"	12
PS 656	PS 300	EG	1 3/8"	15
PS 901	PS 400	EG	1"	11
PS 930	PS 500	EG	1 3/16"	5

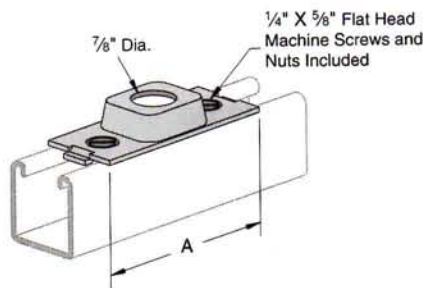
**PS 2511, PS 2581 – End Cap With Knock-Out**



Part No.	Use With	Finish	A	B	Wt./ 100 pcs
PS 2511-1	PS 100	EG	3 1/4"	1 3/4"	3.1
PS 2511-2	PS 200, PS 210	EG	1 5/8"	1 3/4"	2.7
PS 2511-3	PS 300	EG	1 3/8"	1 3/4"	2.6
PS 2581	PS 150	EG	2 7/16"	2"	3.0

ASSEMBLY: End Cap Part, 1 Machine Screw, 1 Nut  
Specify 1/2" or 3/4" knock-out

**PS 2560, PS 2561 – Conduit Connector Fitting**



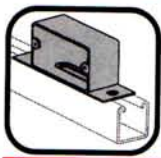
Part No.	Use With	A	Hole	Wt./ 100 pcs
PS 2560	1/2 Conduit"	4"	7/8"	36
PS 2561	3/4 Conduit"	5 1/8"	1 3/32"	36

Stock Size: (.060)  
Assembly: Connector Fitting, 2 Nuts, 2 Bolts

**PS 2640 – Wire Retainer**



Material: Polypropylene  
Weight/100 pcs: .30 lbs.

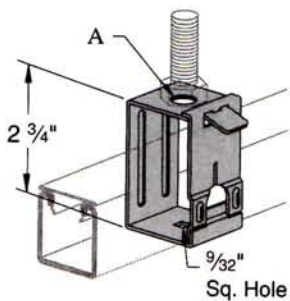


**General Information**

Finish: Electro-galvanized  
 Stock Size (.060)  
 Order By: No. and Size



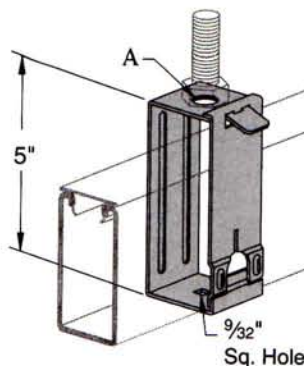
**PS 2632 – Swing Gate Channel Hanger**



A Dia.	Use With
9/16"	1/2" Rod
7/8"	1/2" Conduit

Finish: Electro-galvanized  
 Weight/100 pcs: 25 lbs.  
 Use With: PS 200, PS 210, PS 300, PS 400 and PS 500  
 Load Rating: 90 lbs.

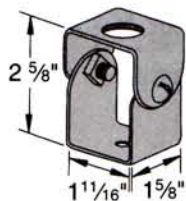
**PS 2632D – Swing Gate Channel Hanger**



A Dia.	Use With
9/16"	1/2" Rod
7/8"	1/2" Conduit

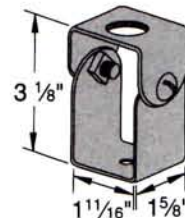
Finish: Electro-galvanized  
 Weight/100 pcs: 34 lbs.  
 Use With: PS 100, PS 150, PS 200 2T3, and PS 210 2T3  
 Load Rating: 90 lbs.

**PS 659 – Channel Hanger**



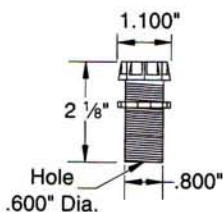
Weight/100 pcs: 28 lbs.  
 Use With: PS 400, PS 500  
 Load Rating: 150 lbs.  
 NOTE: Washers supplied to adapt to 3/8" or 1/2" rod

**PS 658 – Channel Hanger**



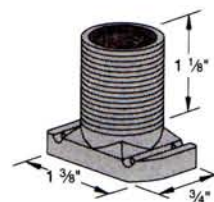
Weight/100 pcs: 30 lbs.  
 Use With: PS 200, PS 210, PS 300  
 Load Rating: 150 lbs.  
 NOTE: Washers supplied to adapt to 3/8" or 1/2" rod

**PS 803 – Fixture Wiring Nipple**



Assembly: 1/2" x 2" rigid conduit nipple  
 Bushing  
 Locknut  
 Weight/100 pcs: 14 lbs.

**PS 2625 – Wiring Stud Nut**

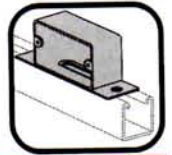


Material: Aluminum casting  
 Size: 1/2" - 14 Amer. Std, conduit thread  
 Weight/100 pcs: 10 lbs.

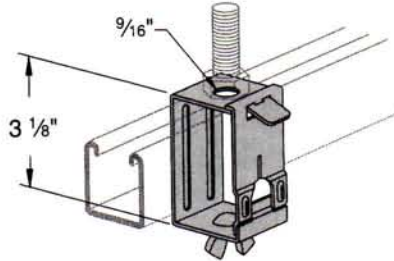


General Information

Finish: Electro-galvanized  
Order By: No. and Finish

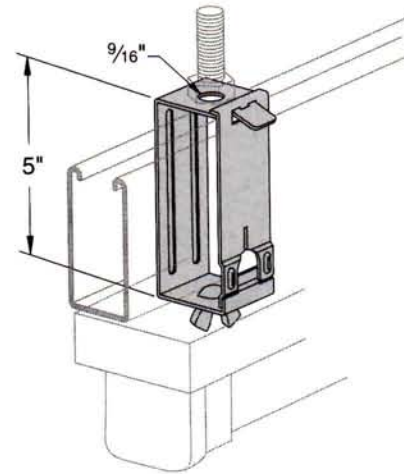


**PS 2631 – Swing Gate Fixture Hanger**



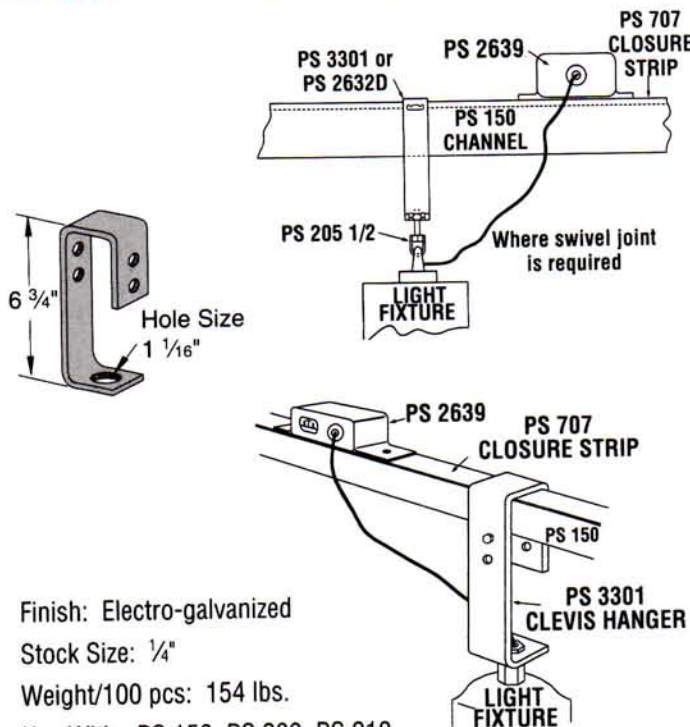
Weight/100 pcs: 27 lbs.  
Use With: PS 200, PS 210, PS 300, PS 400 and PS 500  
Load Rating: 90 lbs.  
NOTE: Includes Bolt and Wing Nut for connection to fluorescent fixtures.

**PS 2631D – Swing Gate Fixture Hanger**



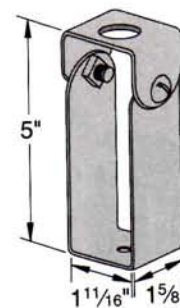
Weight/100 pcs: 36 lbs.  
Use With: PS 100, PS 150, PS 200 2T3, PS 210 2T3  
Load Rating: 90 lbs.  
NOTE: Includes Bolt and Wing Nut for connection to fluorescent fixtures.

**PS 3301 – Mercury Vapor Fixture Hanger**

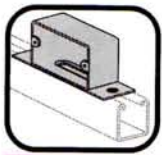


Finish: Electro-galvanized  
Stock Size: 1/4"  
Weight/100 pcs: 154 lbs.  
Use With: PS 150, PS 200, PS 210  
NOTE: Supports fixture in slot up or down system.

**PS 807 – Channel Hanger**



Weight/100 pcs: 35 lbs.  
Use With: PS 100, PS 150  
Load Rating: 150 lbs.  
NOTE: Washers supplied to adapt to 3/8" or 1/2" rod

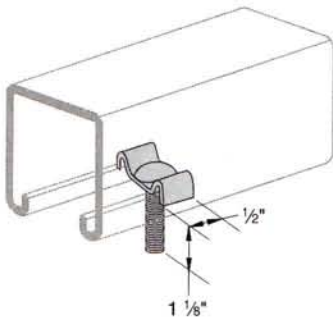


**General Information**

Finish: Electro-galvanized  
Order By: No. and Size

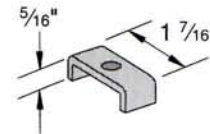


**PS 2636 – Fixture Stud Nut**



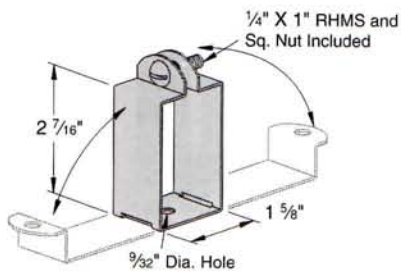
Size: 1/4" x 20 thread, 1 1/4" long  
Weight/100 pcs: 5 lbs.

**PS 2637 – Fixture Nut**



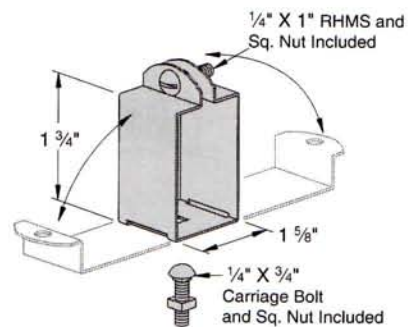
Size: Tapped for 1/4" - 20 thread  
Weight/100 pcs: 2 lbs.

**PS 702 – Fluorescent Fixture Hanger**



Hanger provides more than 1/2" space between channel and fixtures.  
Use hanger for PS 200, PS 210 & PS 300.  
Load Rating: 120 lbs.  
Weight/100 pcs: 19 lbs.

**PS 703 – Fluorescent Fixture Hanger**

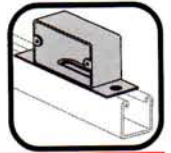


Hanger provides more than 1/8" space between channel and fixtures.  
Use hanger for PS 200 & PS 210.  
Load Rating: 120 lbs.  
Weight/100 pcs: 17 lbs.

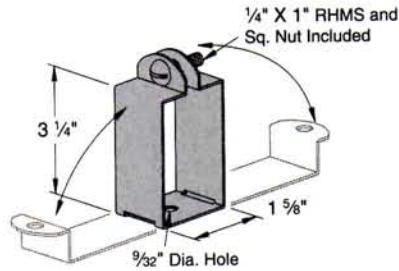


General Information

Finish: Electro-galvanized  
Order By: No. and Size



**PS 702 D – Fluorescent Fixture Hanger**



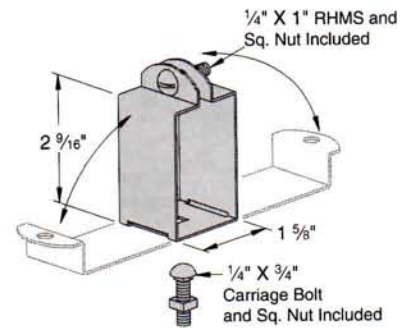
Hanger provides more than 1/2" space between channel and fixtures.

Use hanger for PS 150.

Load Rating: 120 lbs.

Weight/100 pcs: 20 lbs.

**PS 703 D – Fluorescent Fixture Hanger**



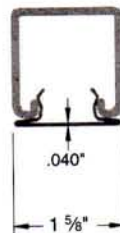
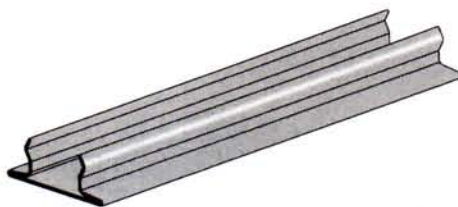
Hanger provides more than 1/8" space between channel and fixtures.

Use hanger for PS 150.

Load Rating: 120 lbs.

Weight/100 pcs: 18 lbs.

**PS 707, PS 707 P – Raceway Closure Strip**



Material/Finish:

PS 707 - Painted green and pre-galvanized

PS 707 P - Green and gray

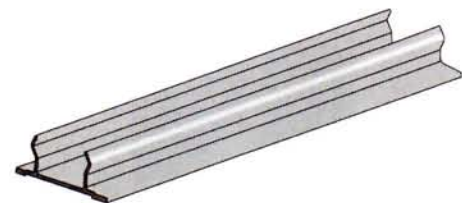
Stock Size: (.042) GRN, (.046) PGAL

Stock Length: 10 ft.

Wt. 47 Lbs./C ft.

Use With: All 1 5/8" wide channel.

**PS 707 – Aluminum Raceway Closure Strip**



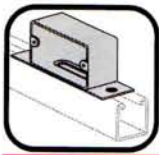
Material 6063-T6 Aluminum, Copper Free, Extruded

Stock Size: (.051)

Stock Length: 10 ft.

Wt. 21 Lbs./ ft.

Use With: All 1 5/8" wide channel

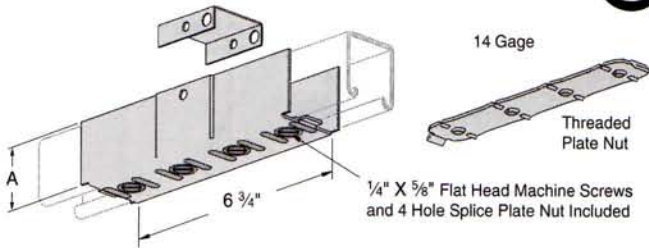


**General Information**

Finish: Electro-galvanized  
Order By: No. and Size



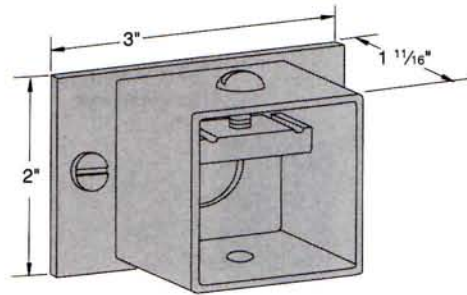
**PS 649, PS 693, PS 694, PS 805, PS 942, PS 2582 – PS 2662 - A – Hub Assembly**  
Electrical Joiner



Part No.	A	Use With	Finish	Wt./ 100 pcs
PS 805	1 5/8"	PS 100	EG, GRN	106
PS 2582	1 5/8"	PS 150	EG	103
PS 649	1 5/8"	PS 200, PS 210	EG, GRN	100
PS 694	1 3/8"	PS 300	EG, GRN	97
PS 693	1 1/16"	PS 400	EG, GRN	97
PS 942	1 3/16"	PS 500, PS 520	EG, GRN	80

Stock Size: (.060)

Assembly: 1 Splice Plate Clevis (GRN), 1 Tapped Plate (EG), 1 Backplate (GRN), 4 Flat Head Machine Screws (EG).



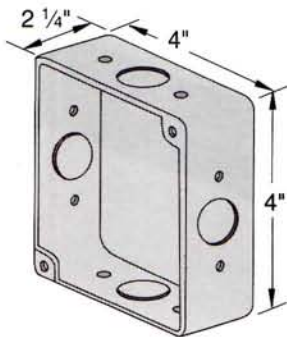
Use With: PS 200, PS 210

Assembly: 1 Hub, 2 Screws, 1 Bolt, 1 Nut

NOTE: Add hub assemblies to the basic PS 2660 unit assembly to make 1, 2, 3 or 4-way junction box.

Weight/100 pcs: 27 lbs.

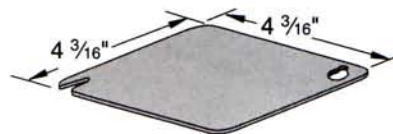
**PS 2660 – Junction Box**



Weight/100 pcs: PS 2660 113 lbs.

NOTE: Add hub assemblies PS 2662-A to make 1, 2, 3 or 4-way junction box.

**PS 2661 – Junction Box Cover**

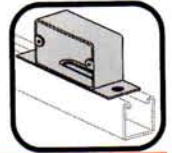


Weight/100 pcs: 30 lbs.

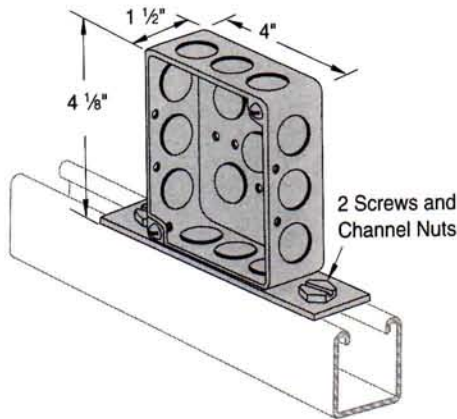


General Information

Finish: Electro-galvanized  
Order By: No. and Finish

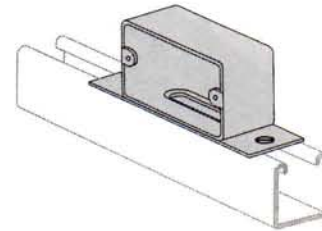


**PS 2094** – 4" Receptacle Box With Knock-outs



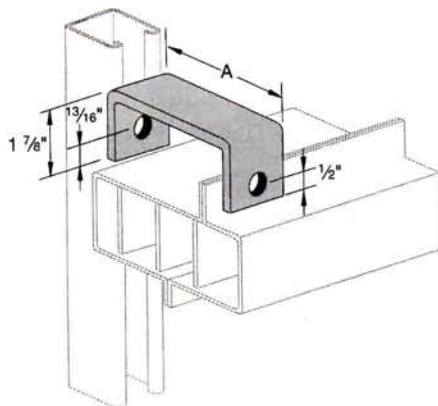
Stock Size: (.075)  
Weight/100 pcs: 93 lbs.  
Assembly: 1 Box, 2 Screws, 2 Channel Nuts

**PS 2639** – Outlet Box



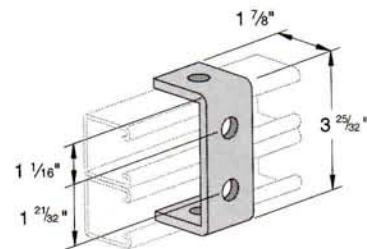
Stock Size: (.075)  
Weight/100 pcs: 88 lbs.  
Assembly: 1 Box, 2 Screws, 2 Channel Nuts

**PS 760** – Bus Duct Connection Clevis

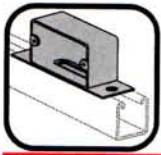


Part No.	Outside Width	Inside Width	Wt./ 100 pcs
PS 760-1	2 <sup>13</sup> / <sub>32</sub> "	1 <sup>29</sup> / <sub>32</sub> "	57
PS 760-2	3 <sup>25</sup> / <sub>32</sub> "	3 <sup>9</sup> / <sub>32</sub> "	73
PS 760-3	4 <sup>3</sup> / <sub>4</sub> "	4 <sup>1</sup> / <sub>4</sub> "	84

**PS 671** – Strut Suspension Member



Weight/100 pcs: 70 lbs.

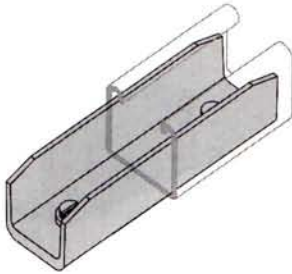


## General Information

Finish: Electro-galvanized  
Order By: No. & Cable Size

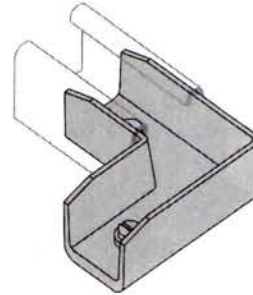


### PS 2800 – Inside Strut Joiner



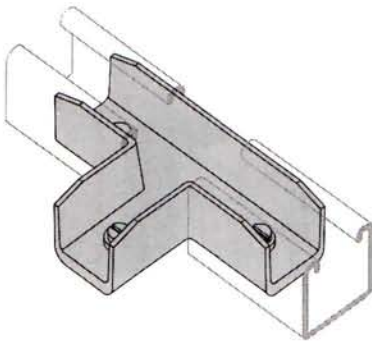
Material: Cast aluminum  
Weight/100 pcs: 20 lbs.  
Jam screws included

### PS 2802 – “Elbow” Inside Strut Joiner



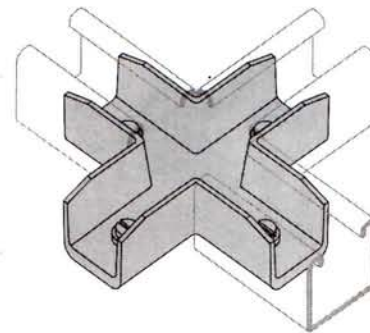
Material: Cast aluminum  
Weight/100 pcs: 27 lbs.  
Jam screws included

### PS 2801 – “T” Inside Strut Joiner



Material: Cast aluminum  
Weight/100 pcs: 35 lbs.  
Jam screws included

### PS 2803 – “Cross” Inside Strut Joiner



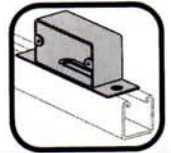
Material: Cast aluminum  
Weight/100 pcs: 45 lbs.  
Jam screws included



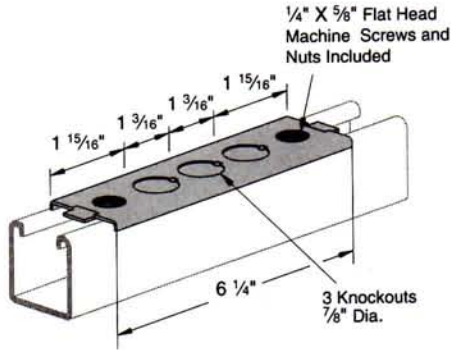


General Information

Material: White glaze, dry process porcelain, or Kiln-Dried Maple  
 Finish: Maple, Boiled in Parafin Until Penetration Averages  $\frac{1}{16}$ "  
 Hardware, Electro-Galvanized  
 Order By: No. and Finish

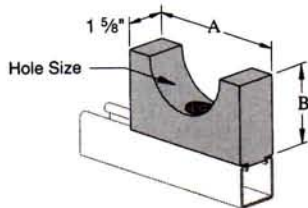


**PS 791** – Electrical Box Adapter Plate



Stock Size: (.060)  
 Weight/100 pcs: 35 lbs.  
 Assembly: 1 Plate, 2 Screws, 2 Channel Nuts

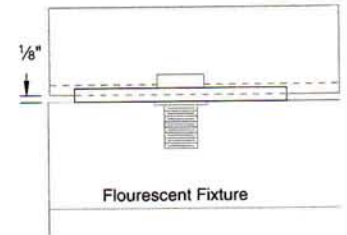
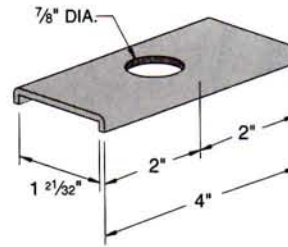
**PS 1510** – Maple Cable Saddle



Cable Size	A	B	Wt./ 100 pcs
0" – 1"	3"	1 $\frac{3}{4}$ "	31
1" – 1 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "	2"	38
1 $\frac{1}{2}$ " – 2"	4"	2 $\frac{1}{4}$ "	47
2" – 2 $\frac{1}{2}$ "	4 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	57
2 $\frac{1}{2}$ " – 3"	5"	2 $\frac{3}{4}$ "	68
3" – 3 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	3"	80
3 $\frac{1}{2}$ " – 4"	6"	3 $\frac{1}{4}$ "	94

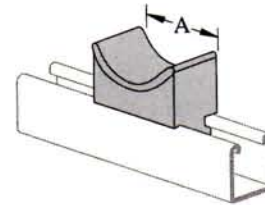
Use With: All 1 $\frac{5}{8}$ " Channel  
 Assembly: Maple Part, 1 Spring Nut, 1 Flat Head Screw  
 NOTE: Specify Cable Diameter

**PS 2627** – Spacer Clevis



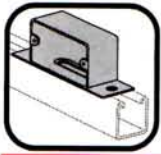
Weight/100 pcs: 24 lbs.  
 Material: 12 gage

**PS 1500** – Porcelain Cable Rack Insulators

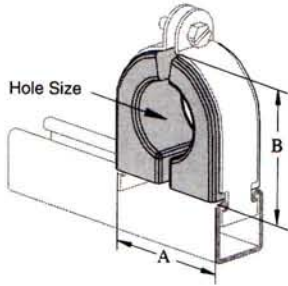


Cable Dia.	A	Wt./ 100 pcs
3"	3"	75
4 $\frac{1}{2}$ "	4"	95

Use With: All 1 $\frac{5}{8}$ " channel



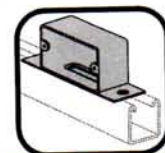
**PS 723 – Porcelain Cable Clamp**



Part Number	Hole Size	PS 1100 Size	A	B	Wt./ 100 pcs
PS723 3/8"	3/8"	1"	1 7/8"	1 15/32"	51
PS723 1/2"	1/2"				47
PS723 5/8"	5/8"				46
PS723 3/4"	3/4"	1 1/2"	2 3/8"	2 1/32"	85
PS723 7/8"	7/8"				84
PS723 1"	1"				83
PS723 1 1/8"	1 1/8"				76
PS723 1 1/4"	1 1/4"	2"	2 7/8"	2 17/32"	116
PS723 1 3/8"	1 3/8"				115
PS723 1 1/2"	1 1/2"				108
PS723 1 5/8"	1 5/8"				100
PS723 1 3/4"	1 3/4"	3"	4"	3 5/8"	228
PS723 1 7/8"	1 7/8"				224
PS723 2"	2"				204
PS723 2 1/8"	2 1/8"				184
PS723 2 1/4"	2 1/4"	3 1/2"	4 1/2"	4 1/8"	255
PS723 2 3/8"	2 3/8"				255
PS723 2 1/2"	2 1/2"				250
PS723 2 5/8"	2 5/8"				245
PS723 2 3/4"	2 3/4"	4"	5 1/8"	4 5/8"	322
PS723 2 7/8"	2 7/8"				301
PS723 3"	3"				301
PS723 3 1/8"	3 1/8"				296
PS723 3 1/4"	3 1/4"	5"	6 1/8"	5 11/32"	460
PS723 3 3/8"	3 3/8"				440
PS723 3 1/2"	3 1/2"				433
PS723 3 5/8"	3 5/8"				423
PS723 3 3/4"	3 3/4"	6"	7 1/4"	6 3/4"	698
PS723 3 7/8"	3 7/8"				678
PS723 4"	4"				648
PS723 4 1/8"	4 1/8"				638
PS723 4 1/4"	4 1/4"				648
PS723 4 3/8"	4 3/8"				598
PS723 4 1/2"	4 1/2"				588

Strap Material: Electro-galvanized steel

Use With: All 1 5/8" channel

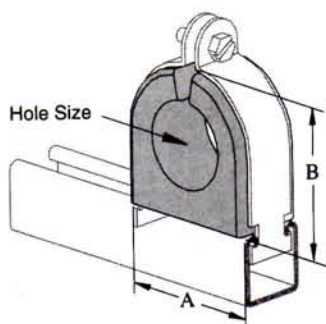


## PS 722 – Porce -A- Clamp™



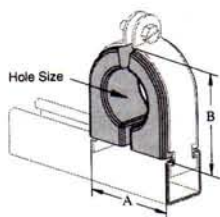
### Porce -A- Clamp™

- Non-Breakable TPE Material
- U.V. Resistant
- U.L. Listed
- Stainless Steel Clamps
- Tapered Flange to Protect Cable
- Dielectric Strength 525 Volts Per Mil.
- One Piece
- Replaces Porcelain & Maple Cable Clamp
- For use in accordance with National Electrical Code ANSI/NFPA 70.



Part Number	Hole Size	PS 1100 Size	A	B	Wt./ 100 pcs
PS722 3/8"	3/8"	1"	1 7/8"	1 15/32"	25
PS722 1/2"	1/2"				
PS722 5/8"	5/8"				
PS722 3/4"	3/4"	1 1/2"	2 3/8"	2 1/32"	37
PS722 7/8"	7/8"				
PS722 1"	1"				
PS722 1 1/8"	1 1/8"				
PS722 1 1/4"	1 1/4"	2"	2 7/8"	2 17/32"	58
PS722 1 3/8"	1 3/8"				
PS722 1 1/2"	1 1/2"				
PS722 1 5/8"	1 5/8"				
PS722 1 3/4"	1 3/4"	3"	4"	3 5/8"	76
PS722 1 7/8"	1 7/8"				
PS722 2"	2"				
PS722 2 1/8"	2 1/8"				
PS722 2 1/4"	2 1/4"	3 1/2"	4 1/2"	4 1/8"	90
PS722 2 3/8"	2 3/8"				
PS722 2 1/2"	2 1/2"				
PS722 2 5/8"	2 5/8"				
PS722 2 3/4"	2 3/4"	4"	5 1/8"	4 5/8"	109
PS722 2 7/8"	2 7/8"				
PS722 3"	3"				
PS722 3 1/8"	3 1/8"				
PS722 3 1/4"	3 1/4"	5"	6 1/8"	5 11/32"	130
PS722 3 3/8"	3 3/8"				
PS722 3 1/2"	3 1/2"				
PS722 3 5/8"	3 5/8"				
PS722 3 3/4"	3 3/4"	6"	7 1/4"	6 3/4"	160
PS722 3 7/8"	3 7/8"				
PS722 4"	4"				
PS722 4 1/8"	4 1/8"				
PS722 4 1/4"	4 1/4"				
PS722 4 3/8"	4 3/8"				
PS722 4 1/2"	4 1/2"				

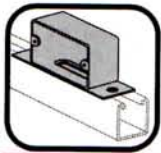
Replaces the two piece PS 723 Porcelain Cable Clamp



Patents Pending

Strap Material: Electro-galvanized steel or Stainless Steel

Use With: All 1 5/8" channel

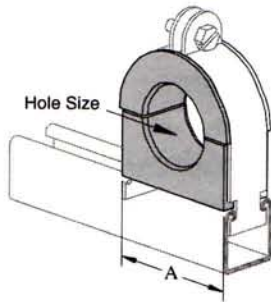


## General Information

**Material:** Kiln-Dried Maple  
**Finish:** Maple, Boiled in Parafin Until Penetration Averages  $\frac{1}{16}$ "  
**Hardware:** Electro-Galvanized  
**Order By:** No., Type & Size



### PS 1610 – Maple Cable Clamp



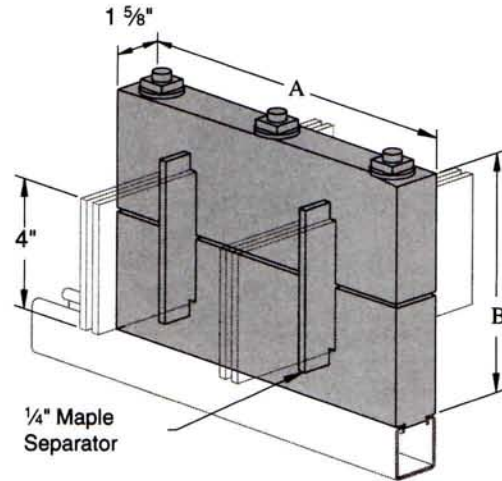
Inside Diameter	A	PS 1100 Size	Wt./ 100 pcs
$\frac{1}{8}$ to $\frac{5}{8}$ "	$1\frac{5}{16}$ "	1"	24
$\frac{3}{4}$ to $1\frac{1}{8}$ "	$1\frac{15}{16}$ "	$1\frac{1}{2}$ "	42
$1\frac{1}{4}$ to $1\frac{5}{8}$ "	$2\frac{3}{8}$ "	2"	54
$1\frac{3}{4}$ to $2\frac{1}{8}$ "	$3\frac{1}{2}$ "	3"	65
$2\frac{1}{4}$ to $2\frac{5}{8}$ "	4"	$3\frac{1}{2}$ "	84
$2\frac{3}{4}$ to $3\frac{1}{8}$ "	$4\frac{1}{2}$ "	4"	107
$3\frac{1}{4}$ to $3\frac{5}{8}$ "	$5\frac{9}{16}$ "	5"	123
$3\frac{3}{4}$ to $4\frac{1}{2}$ "	$6\frac{5}{8}$ "	6"	163

Use With: All  $1\frac{5}{8}$ " Wide Channel

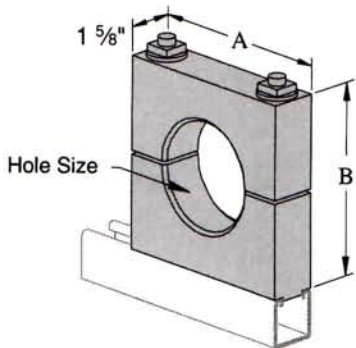
Assembly: Maple Part, Pipe Clamp Assembly

NOTE: Specify Cable Diameter

### PS 1850 – Maple Bus Bar Clamp



### PS 1801 – Square Maple Cable Clamps



Inside Diameter Size	A & B	Wt./ 100 pcs
0"– 1"	$3\frac{1}{2}$ "	84
1"– $1\frac{1}{2}$ "	4"	102
$1\frac{1}{2}$ "– 2"	$4\frac{1}{2}$ "	121
2"– $2\frac{1}{2}$ "	$5\frac{1}{2}$ "	165
$1\frac{1}{2}$ "– 3"	6"	189
3"– $3\frac{1}{2}$ "	$6\frac{1}{2}$ "	215
$3\frac{1}{2}$ "– 4"	7"	243

Use With: All  $1\frac{5}{8}$ " Wide Channels.

Assembly: Maple Part, 2 Stud Bolts, 2 Washers, 2 Spring Nuts, 2 Square Nuts

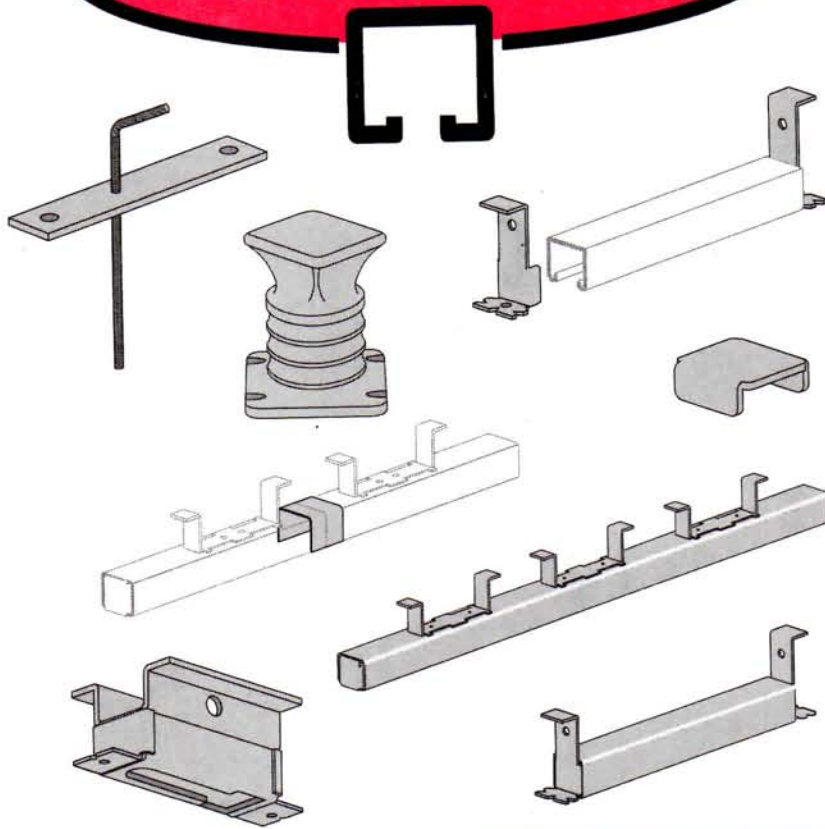
NOTE: Special maple clamps can be made to order. Specify Cable Diameter.

Type	Bus Bar Size	A	B	# of Separators	Wt./ 100 pcs
1	$\frac{1}{4}$ x 2"	$8\frac{1}{2}$ "	$5\frac{3}{8}$ "	0	360
2	$\frac{1}{4}$ x 2"	$9\frac{1}{2}$ "	$5\frac{3}{8}$ "	2	400
3	$\frac{1}{4}$ x 2"	$10\frac{1}{2}$ "	$5\frac{3}{8}$ "	4	430
4	$\frac{1}{4}$ x 2"	$11\frac{1}{2}$ "	$5\frac{3}{8}$ "	6	460
5	$\frac{1}{4}$ x 2"	$12\frac{1}{2}$ "	$5\frac{3}{8}$ "	8	490
6	$\frac{1}{4}$ x 2"	$13\frac{1}{2}$ "	$5\frac{3}{8}$ "	10	520
1	$\frac{1}{4}$ x 4"	$8\frac{1}{2}$ "	$7\frac{3}{8}$ "	0	421
2	$\frac{1}{4}$ x 4"	$9\frac{1}{2}$ "	$7\frac{3}{8}$ "	2	465
3	$\frac{1}{4}$ x 4"	$10\frac{1}{2}$ "	$7\frac{3}{8}$ "	4	509
4	$\frac{1}{4}$ x 4"	$11\frac{1}{2}$ "	$7\frac{3}{8}$ "	6	553
5	$\frac{1}{4}$ x 4"	$12\frac{1}{2}$ "	$7\frac{3}{8}$ "	8	597
6	$\frac{1}{4}$ x 4"	$13\frac{1}{2}$ "	$7\frac{3}{8}$ "	10	631
1	$\frac{1}{4}$ x 6"	$8\frac{1}{2}$ "	$9\frac{3}{8}$ "	0	567
2	$\frac{1}{4}$ x 6"	$9\frac{1}{2}$ "	$9\frac{3}{8}$ "	2	628
3	$\frac{1}{4}$ x 6"	$10\frac{1}{2}$ "	$9\frac{3}{8}$ "	4	689
4	$\frac{1}{4}$ x 6"	$11\frac{1}{2}$ "	$9\frac{3}{8}$ "	6	750
5	$\frac{1}{4}$ x 6"	$12\frac{1}{2}$ "	$9\frac{3}{8}$ "	8	811
6	$\frac{1}{4}$ x 6"	$13\frac{1}{2}$ "	$9\frac{3}{8}$ "	10	872

Use With: All  $1\frac{5}{8}$ " Channels.

Assembly: Maple Part, 3 Stud Bolts, 3 Spring Nuts, 3 Square Nuts, 3 Washers

# POWER-STRUT®



*A selection of heavy-duty to light-duty "continuous" and "spot" concrete inserts is available for use in pre-cast, pre-stressed or poured-in-place concrete floors, walls or ceilings.*

**MATERIAL:**

Power-Strut continuous slotted concrete inserts are cold formed from structural quality strip steel.

**STANDARD LENGTHS:**

Standard lengths are 10 or 20 feet. Non-standard lengths from 3 inches to 20 feet are also available.

**STANDARD FINISH:**

Power-Strut continuous-slotted concrete inserts are available in plain or pre-galvanized finishes. Closure strips (CS) are made of plastic and end caps (EC) are pre-galvanized.

**ORDERING INFORMATION:**

When ordering, add the length or size and finish to the part number. See pages 4 - 6 for finish abbreviations and an example.

## CONCRETE INSERTS



# CONCRETE INSERTS

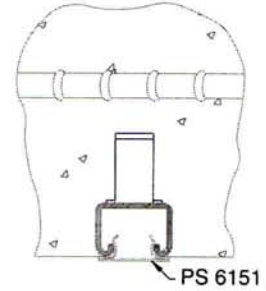
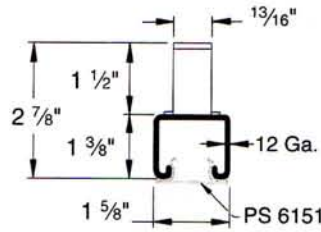
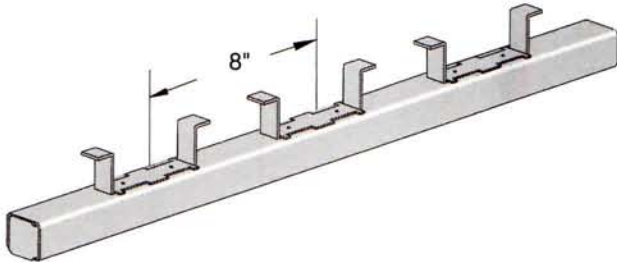


## General Information

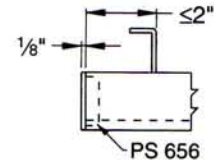
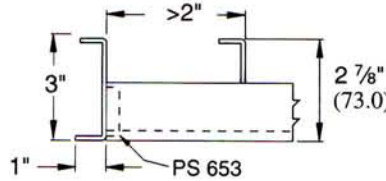
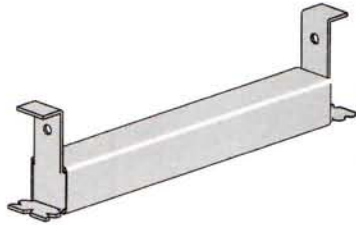
Stock Thickness: .105 (12 ga.)  
 Finish : Plain, pre-galvanized or hot-dipped galvanized.  
 Stock Length: 20 feet; Other lengths made to order.  
 Order By: Part No. & Size



## PS 349 – Continuous Concrete Insert (1<sup>5</sup>/<sub>8</sub>" x 1<sup>3</sup>/<sub>8</sub>")



Choice of end cap is based on the distance from the end of the insert to the first anchor as shown below.



## Furnished with steel end caps and plastic closure strips installed

Part No.	End Cap	Wt./100 pcs	
		PLN	Load Data*
PS 349 3' CS/EC	PS 653	72	500 lbs
PS 349 4' CS/EC	PS 653	87	800 lbs.
PS 349 6' CS/EC	PS 653	117	1,000 lbs.
PS 349 8' CS/EC	PS 653	147	1,200 lbs.
PS 349 1' CS/EC	PS 653	194	2,000 lbs.
PS 349 1'4" CS/EC	PS 656	253	2,000 lbs./ft.
PS 349 1'8" CS/EC	PS 653	312	2,000 lbs./ft.
PS 349 2' CS/EC	PS 656	371	2,000 lbs./ft.
PS 349 2'8" CS/EC	PS 656	490	2,000 lbs./ft.
PS 349 3' CS/EC	PS 653	549	2,000 lbs./ft.
PS 349 4' CS/EC	PS 656	727	2,000 lbs./ft.
PS 349 5' CS/EC	PS 653	905	2,000 lbs./ft.
PS 349 6' CS/EC	PS 656	1,082	2,000 lbs./ft.
PS 349 7' CS/EC	PS 653	1,260	2,000 lbs./ft.
PS 349 8' CS/EC	PS 656	1,438	2,000 lbs./ft.
PS 349 9' CS/EC	PS 653	1,615	2,000 lbs./ft.
PS 349 10' CS/EC	PS 656	1,793	2,000 lbs./ft.
PS 349 12' CS/EC	PS 656	2,148	2,000 lbs./ft.
PS 349 14' CS/EC	PS 656	2,504	2,000 lbs./ft.
PS 349 16' CS/EC	PS 656	2,859	2,000 lbs./ft.
PS 349 18' CS/EC	PS 656	3,215	2,000 lbs./ft.
PS 349 20' CS/EC	PS 656	3,570	2,000 lbs./ft.
PS 349 10' W/O	Insert Only	1,777	*uniform recommended loading on inserts in 3,000 psi concrete.
PS 349 20' W/O	Insert Only	3,554	

- Use channel nuts designed for PS 300 Channel.

- Nail or anchor the inserts to forms every 16" to 24"



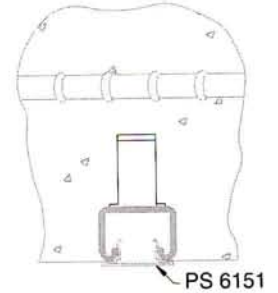
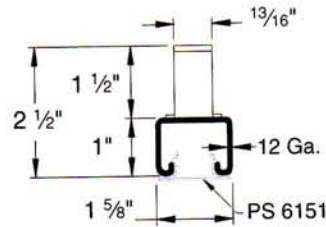
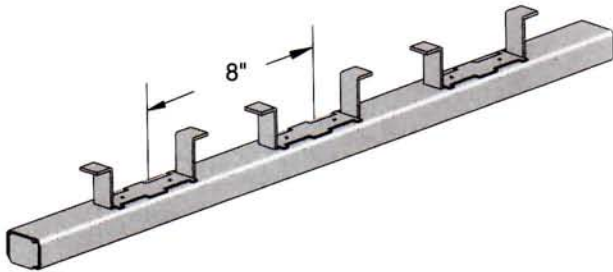
# CONCRETE INSERTS

## General Information

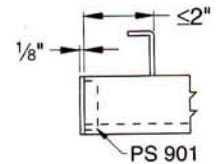
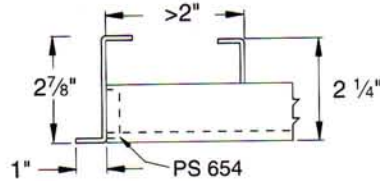
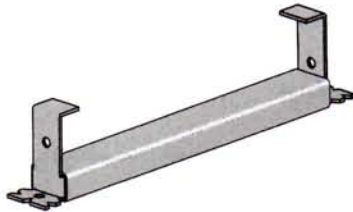
Stock Thickness: .105 (12 ga.)  
 Finish: Plain, pre-galvanized or hot-dipped galvanized.  
 Stock Length: 20 feet; Other lengths made to order.  
 Order By: Part No. & Size



### PS 449 – Continuous Concrete Insert (1<sup>5</sup>/<sub>8</sub>" x 1")



Choice of end cap is based on the distance from the end of the insert to the first anchor as shown below.



### Furnished with steel end caps and plastic closure strips installed

Part No.	End Cap	PLN	Wt./100 pcs	Load Data*
PS 449 3" CS/EC	PS 654	62		500 lbs
PS 449 4" CS/EC	PS 654	74		600 lbs.
PS 449 6" CS/EC	PS 654	99		800 lbs.
PS 449 8" CS/EC	PS 654	124		1,000 lbs.
PS 449 1' CS/EC	PS 654	163		1,600 lbs./ft.
PS 449 1'4" CS/EC	PS 901	213		1,600 lbs./ft.
PS 449 1'8" CS/EC	PS 654	263		1,600 lbs./ft.
PS 449 2' CS/EC	PS 901	313		1,600 lbs./ft.
PS 449 2'8" CS/EC	PS 901	414		1,600 lbs./ft.
PS 449 3' CS/EC	PS 654	464		1,600 lbs./ft.
PS 449 4' CS/EC	PS 901	615		1,600 lbs./ft.
PS 449 5' CS/EC	PS 654	766		1,600 lbs./ft.
PS 449 6' CS/EC	PS 901	916		1,600 lbs./ft.
PS 449 7' CS/EC	PS 654	1,079		1,600 lbs./ft.
PS 449 8' CS/EC	PS 901	1,218		1,600 lbs./ft.
PS 449 9' CS/EC	PS 654	1,368		1,600 lbs./ft.
PS 449 10' CS/EC	PS 901	1,519		1,600 lbs./ft.
PS 449 12' CS/EC	PS 901	1,820		1,600 lbs./ft.
PS 449 14' CS/EC	PS 901	2,122		1,600 lbs./ft.
PS 449 16' CS/EC	PS 901	2,423		1,600 lbs./ft.
PS 449 18' CS/EC	PS 901	2,725		1,600 lbs./ft.
PS 449 20' CS/EC	PS 901	3,026		1,600 lbs./ft.
PS 449 10' W/O	Insert Only	1,507		*uniform recommended loading on inserts in 3,000 psi concrete.
PS 449 20' W/O	Insert Only	3,014		

- Use channel nuts designed for PS 400 Channel.
- Nail or anchor the inserts to forms every 16" to 24"

# CONCRETE INSERTS

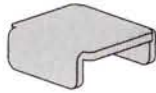


## General Information

Stock Thickness: .105 (12 ga.)  
 Finish: Electro-galvanized  
 Order By: Part No. & Size

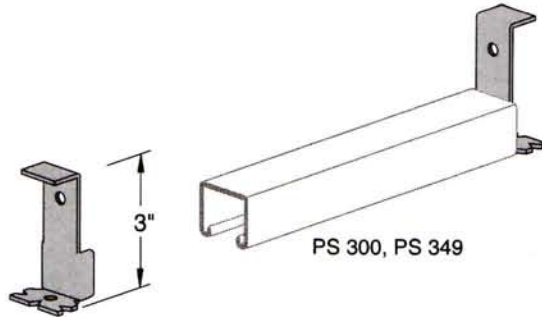


### PS 656, PS 901 – Type 'A' End Cap



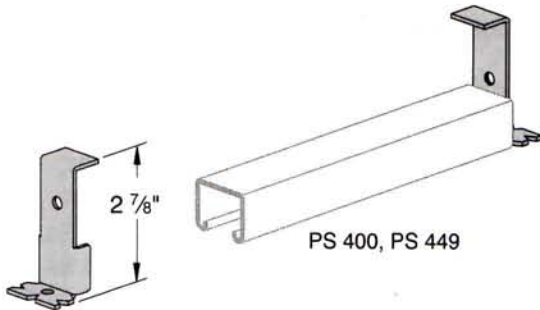
Part No.	Use With Insert	Finish	Wt./ 100 pcs
PS 656	PS 349	PGAL	8
PS 901	PS 449	PGAL	6

### PS 653 – Type 'B' End Cap



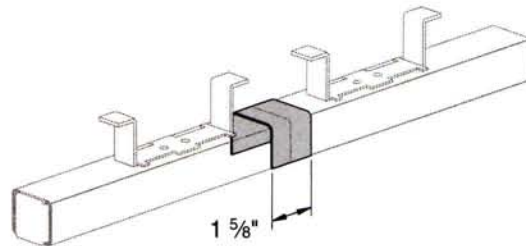
Finish: Pre-galvanized  
 Weight/100 pcs: 14 lbs.

### PS 654 – Type 'B' End Cap



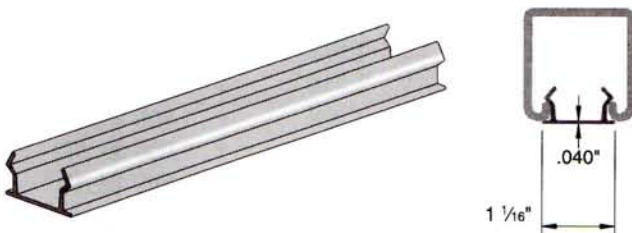
Finish: Pre-galvanized  
 Weight/100 pcs: 12 lbs.

### PS 1154 – Splice Connection



Weight/100 pcs: 10 lbs.  
 Use With: PS 349

### PS 6151 – Plastic Closure Strip



Material: Plastic  
 Stock Length: 10 ft.  
 Weight/100 pcs: 47 lbs.  
 Use With: All 1 5/8" channel and inserts to prevent concrete seepage





General Information

Stock Thickness: .105 PGAL (12 ga.)  
Order By: No., Size & Finish



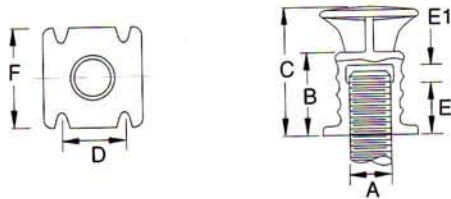
## PS 152 – Screw Concrete Insert



**ORDERING:** Specify rod size, figure number, name.

### Loads • Weights

Rod Size A	Max Pipe Size	Maximum Recommended Load	Weight (approx.) lbs. Each
3/8"	2"	610	0.31
1/2"	3 1/2"	1,130	0.32
5/8"	5"	1,260	0.37
3/4"	6"	2,500	0.64
7/8"	12"	2,500	0.71

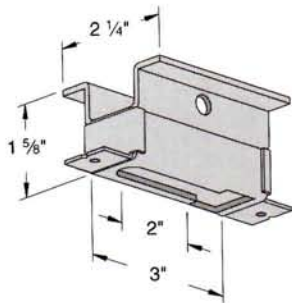


Rod Size A	Dimensions (inches)					
	B	C	D	E	E <sup>1</sup>	F
3/8"	1 1/32"	2 1/4"	1"	1/2"	3/8"	1 5/8"
1/2"	1 1/32"	2 1/4"	1"	1/2"	3/8"	1 5/8"
5/8"	1 7/32"	2 1/4"	1"	5/8"	3/8"	1 5/8"
3/4"	1 5/8"	2 1/2"	1 1/4"	15/16"	7/16"	2"

Material: Malleable iron.

Finish: Black.

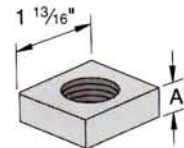
## PS 285 – Light Weight Concrete Insert



Rod Size	Load Rating	Wt./ 100 pcs
1/4"	230	46
3/8"	400	49
1/2"	400	49

Finish: Plain or Electro-galvanized

## PS 285 N – Concrete Insert Nut



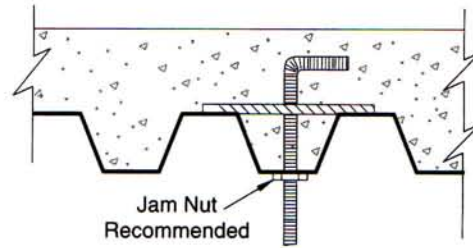
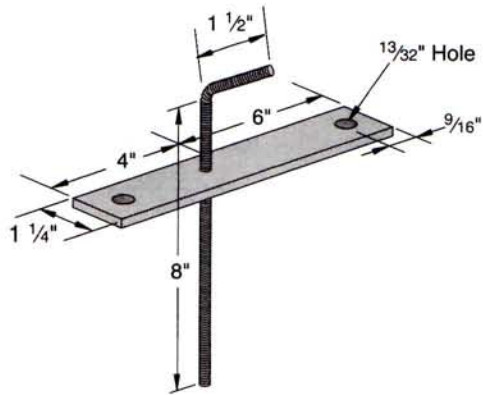
Part No.	Rod Size	A	Wt./ 100 pcs
PS 285	1/4"	5/16"	6
PS 285	3/8"	5/16"	5
PS 285	1/2"	7/16"	6

Finish: Plain or Electro-galvanized

# CONCRETE INSERTS



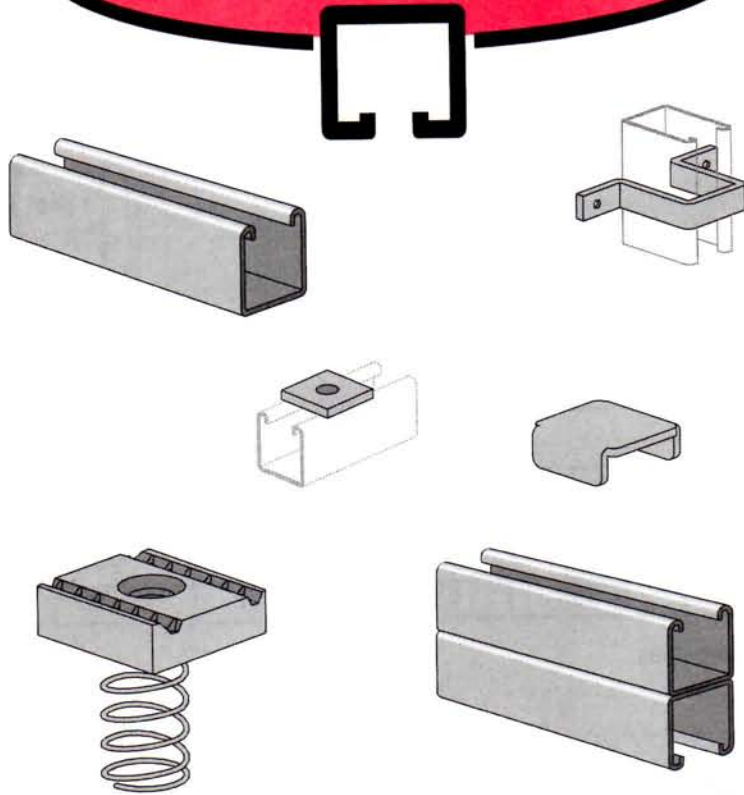
## PS 680 – Concrete Deck Insert



Note: Rod is electro-galvanized and plate is plain.

Part No.	Wt./ 100 pcs	Load Rating
PS 680- $\frac{3}{8}$ "	86	610
PS 680- $\frac{1}{2}$ "	105	1,130
PS 680- $\frac{5}{8}$ "	130	1,810

# POWER-STRUT®



*Power-Strut channel sections are produced by multiple sets of forming rolls which cold-work strip steel into the channel configuration. This type of roll forming produces uniform channel sections held to the specifications of MFMA-1.*

**MATERIAL:**

Channel is formed from structural quality strip steel which conforms to the requirements of ASTM A-570 Grade 33.

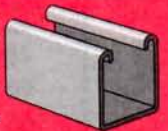
**STANDARD FINISH:**

PS 5000 is available in plain finish or hot-dip galvanized per ASTM A-123.

**ORDERING INFORMATION:**

When ordering, add the length or size and finish to the part number. See page 5 for finish abbreviations and an example.

**HEAVY DUTY  
CHANNEL**



# HEAVY DUTY CHANNEL

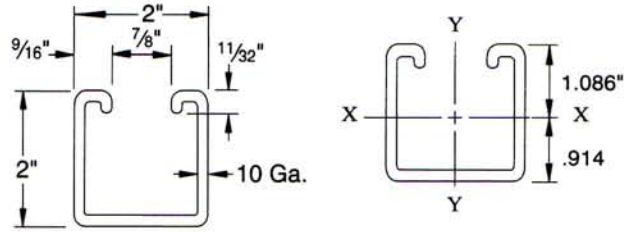


## General Information

Stock Thickness: .135" (10 ga.), ASTM A-570 Grade 33  
 Finish: Plain or hot-dipped galvanized  
 Stock Length: 10 and 20 feet, other lengths on request  
 Order By: No. & Finish



## PS 5000 – Heavy Duty Channel (2" x 2" x 10 Ga.)



## ELEMENTS OF SECTION

Weight (lbs./100 ft.)	Area of Section (Inch <sup>2</sup> )	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)	Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)
306	0.901	0.468	0.428	0.720	0.562	0.562	0.790

Modulus of Elasticity: 29,000,000 PSI; \*Effective section properties

## PS 5000 – Beam & Column Loads

Span, or Column In	Max. Load of Column Loaded at C.G. (K=1.0) Lbs	Static Beam Load (X-X Axis)			
		Total Uniform Load @25,000 PSI Lbs	Deflection @25,000 PSI In	Total Uniform Load @1/240 Span Deflection Lbs	Total Uniform Load @1/360 Span Deflection Lbs
24	16,760	3,590	0.05	–	–
30	15,410	2,870	0.07	–	–
36	13,970	2,390	0.11	–	2,270
42	12,500	2,050	0.14	–	1,670
48	11,020	1,790	0.19	–	1,280
54	9,560	1,590	0.24	1,510	1,010
60	8,360	1,430	0.29	1,230	820
66	7,430	1,300	0.35	1,010	680
72	6,690	1,200	0.42	850	570
84	5,570	1,020	0.57	630	420
96	4,740	900	0.75	480	320
108	4,100	800	0.95	380	250
120	3,590	720	1.17	310	200
144	2,800	600	1.68	210	140

Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8. This load table is based on a solid channel section.

\*Load limited by spot weld shear.



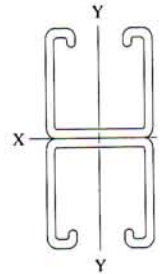
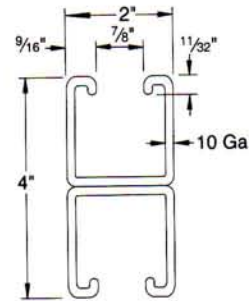
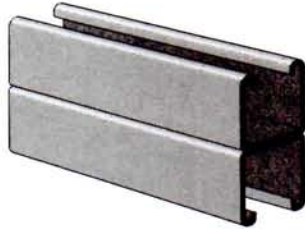
# HEAVY DUTY CHANNEL

## General Information

Stock Thickness: .135" (10 ga.), ASTM A-570 Grade 33  
 Finish: Plain or hot-dipped galvanized  
 Stock Length: 10 and 20 feet, other lengths on request  
 Order By: No., Size & Finish



### PS 5000 2T3 – Heavy Duty Channel (2" x 4" x 10 Ga.)



### ELEMENTS OF SECTION

Weight (lbs./100 ft.)	Area of Section (Inch <sup>2</sup> )	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)	Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)
613	1.802	2.417	1.209	1.158	1.124	1.124	0.790

### PS 5000 2T3 – Beam & Column Loads

Span, or Column In	Max. Load of Column Loaded at C.G. (K=1.0) Lbs	Static Beam Load (X-X Axis)			
		Total Uniform Load @25,000 PSI Lbs	Deflection @25,000 PSI In	Total Uniform Load @1/240 Span Deflection Lbs	Total Uniform Load @1/360 Span Deflection Lbs
36	36,470	3,944 *	0.06	–	–
42	35,400	3,944 *	0.08	–	–
48	34,170	3,944 *	0.10	–	–
54	32,770	3,944 *	0.13	–	–
60	31,210	3,944 *	0.16	–	–
66	29,490	3,680	0.19	–	3,490
72	27,600	3,380	0.23	–	2,930
84	23,340	2,890	0.31	–	2,160
96	18,500	2,530	0.41	2,480	1,650
108	14,610	2,250	0.52	1,960	1,300
120	11,840	2,030	0.64	1,580	1,060
144	8,220	1,690	0.92	1,100	730
180	–	1,350	1.44	700	470

Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8. This load table is based on a solid channel section.

\*Load limited by spot weld shear.

# HEAVY DUTY CHANNEL



## General Information

Finish: Electro-galvanized  
 Use With: PS 5000  
 Order By: No., Size & Finish

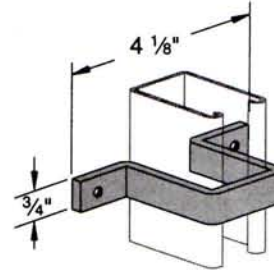


### PS 3420 – End Cap



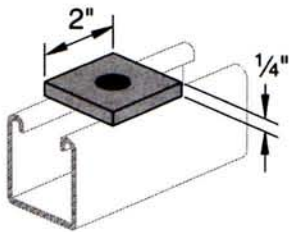
Stock Size: .105  
 Weight/100 pcs: 18 lbs.

### PS 3457 – Securing Strap



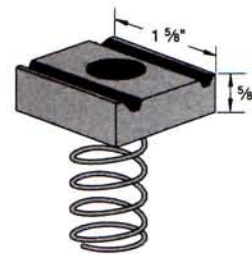
Stock Size: .046" (19 ga.)  
 Weight/100 pcs: 20 lbs.

### PS 3458 – Square Washer



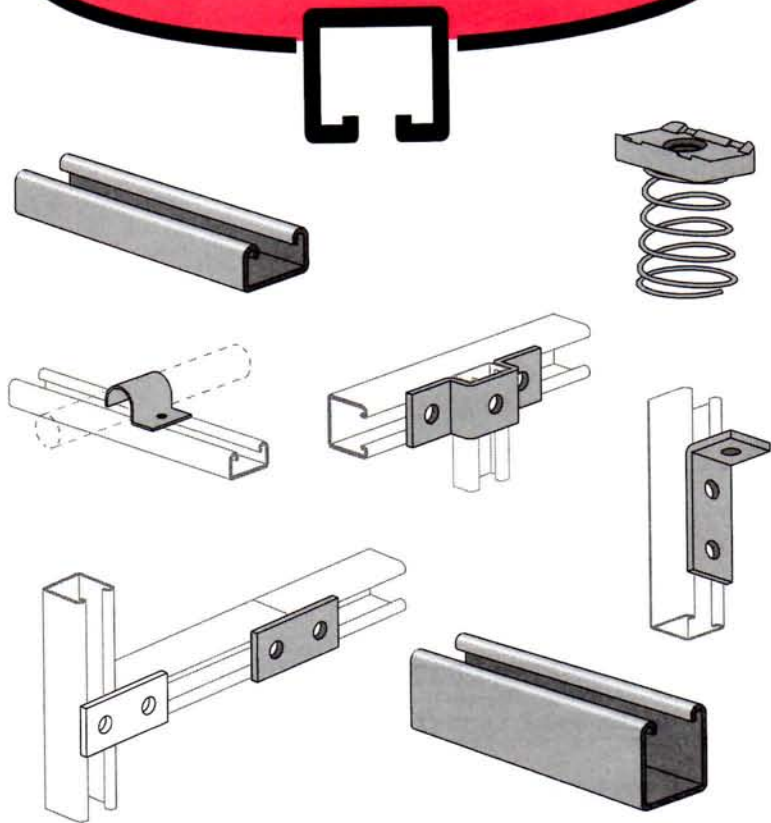
Bolt Size	Hole Size	Wt./ 100 pcs
1/2"	9/16"	27
5/8"	1 1/16"	26
3/4"	1 3/16"	25

### PS 9227 – Clamping Nut



Size	Wt./ 100 pcs
1/2"	46
5/8"	45
3/4"	43

# POWER-STRUT®



*Power-Strut junior channel sections are cold formed from prime quality cold rolled steel. Junior channel fittings are punched from hot rolled, pickled and oiled steel.*

#### **STANDARD LENGTHS:**

Standard length is 10 feet at a tolerance of  $\pm 1/16$  inches. Shorter lengths are available for a small cutting charge.

#### **STANDARD DIMENSIONS FOR FITTINGS:**

Fitting Thickness:  $1/8$ "  
Fitting Width:  $13/16$ "  
Hole Diameter:  $9/32$ "  
Hole Spacing:  $1 1/16$ " on centers and  $13/32$ " from end.

#### **STANDARD FINISH:**

PS 600J and PS 700J junior channels are available in a galvanized or painted green finish. All junior channel fittings are available in electro-galvanized finish.

#### **ORDERING INFORMATION:**

When ordering, add the length or size and finish to the part number. See pages 4 - 6 for finish abbreviations and an example.

**JR. CHANNEL**



# JUNIOR CHANNEL FITTINGS

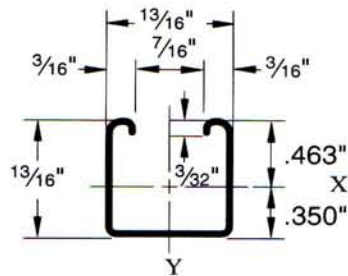
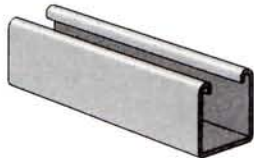


## General Information

Stock Thickness: .040 (19 ga.)  
 Finish: Pre-galvanized or painted green  
 Stock Length: 10 feet  
 Order By: No., Size & Finish



**PS 600J** – Channel ( $1\frac{3}{16}$ " x  $1\frac{3}{16}$ " x 19 ga.)



## PS 600J – Beam & Column Loads

Span, or Column In	Max. Load of Column Loaded at C.G. (k=1.0) Lbs	Static Beam Load (X-X Axis)			
		Total Uniform Load @25,000 PSI Lbs	Deflection @25,000 PSI In	Total Uniform Load @1/240 Span Deflection Lbs	Total Uniform Load @1/360 Span Deflection Lbs
12	1,730	340	0.03	–	–
18	1,030	220	0.06	–	170
24	580	170	0.11	150	100
30	370	130	0.18	90	60
36	260	110	0.26	70	40
42	190	100	0.35	50	30
48	140	80	0.45	40	20
54	110	70	0.58	30	20
60	–	70	0.71	20	20
66	–	60	0.86	20	10
72	–	60	1.02	20	10

Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8. This load table is based on a solid channel section.

## ELEMENTS OF SECTION

Weight (lbs./100 ft.)	Area of Section (Inch <sup>2</sup> )	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)	Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)
36	0.105	.009	.020	.294	.012	.029	.333





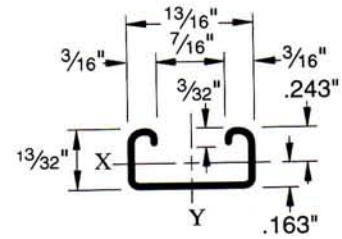
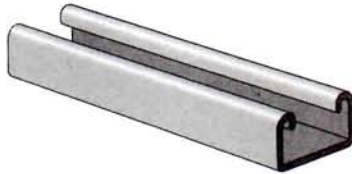
# JUNIOR CHANNEL FITTINGS

General Information

Stock Thickness: .040 (19 ga.)  
 Finish: Pre-galvanized or painted green  
 Stock Length: 10 feet  
 Order By: Part No., Size & Finish



**PS 700J** – Channel ( $1\frac{3}{16}$ " x  $1\frac{3}{32}$ " x 19 ga.)



## PS 700J – Beam & Column Loads

Span, or Column In	Max. Load of Column Loaded at C.G. (k=1.0) Lbs	Static Beam Load (X-X Axis)			
		Total Uniform Load @25,000 PSI Lbs	Deflection @25,000 PSI In	Total Uniform Load @1/240 Span Deflection Lbs	Total Uniform Load @1/360 Span Deflection Lbs
12	1,030	120	0.04	–	90
18	500	80	0.10	60	40
24	280	60	0.18	30	20
30	–	50	0.28	20	10
36	–	40	0.40	10	10

Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8. This load table is based on a solid channel section.

## ELEMENTS OF SECTION

Weight (lbs./100 ft.)	Area of Section (Inch <sup>2</sup> )	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)	Moment of Inertia (Inch <sup>4</sup> )	Section Modulus (Inch <sup>3</sup> )	Radius of Gyration (Inch)
25	0.073	0.002	0.007	0.148	0.007	0.017	0.306

# JUNIOR CHANNEL FITTINGS



**General Information**  
 Stock Width:  $\frac{13}{16}$ " , Stock Thickness:  $\frac{1}{8}$ "  
 Finish: Electro-galvanized  
 Hole Diameter:  $\frac{9}{32}$ "  
 Hole Spacing:  $1\frac{1}{32}$ " from end,  $1\frac{1}{16}$ " on center  
 Order By: Part No. & Size



## PS 3017 – Junior Channel Nuts



Size	Wt./ 100 pcs
8-32	1
10-32	1
10-24	1
$\frac{1}{4}$ "	1

Use With: PS 600J channel

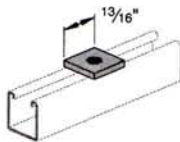
## PS 4017 – Junior Channel Nuts



Size	Wt./ 100 pcs
8-32	1
10-32	1
10-24	1
$\frac{1}{4}$ "	1

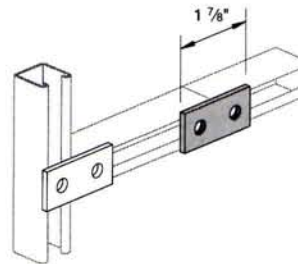
Use With: PS 700J channel

## PS 2013 – Square Washer



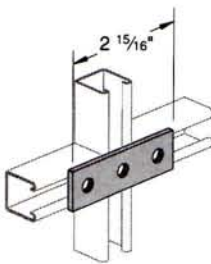
Weight/100 pcs: 2 lbs.

## PS 2014 – Two-Hole Splice Plate



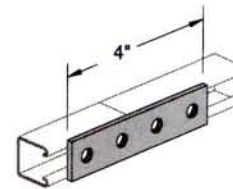
Weight/100 pcs: 5 lbs.

## PS 2015 – Three-Hole Splice Plate



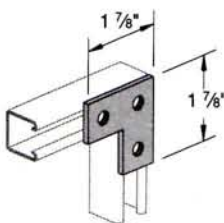
Weight/100 pcs: 8 lbs.

## PS 2016 – Four-Hole Splice Plate



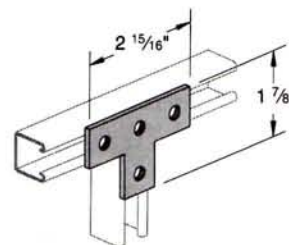
Weight/100 pcs: 11 lbs.

## PS 2033 – Flat Angle Plate



Weight/100 pcs: 8 lbs.

## PS 2034 – Tee Plate



Weight/100 pcs: 11 lbs.

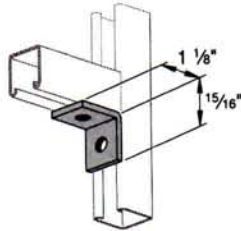


# JUNIOR CHANNEL FITTINGS

**General Information**  
 Stock Width:  $\frac{13}{16}$ " , Stock Thickness:  $\frac{1}{8}$ "  
 Finish: Electro-galvanized  
 Hole Diameter:  $\frac{9}{32}$ "  
 Hole Spacing:  $\frac{13}{32}$ " from end,  $1\frac{1}{16}$ " on center  
 Order By: Part No. & Size

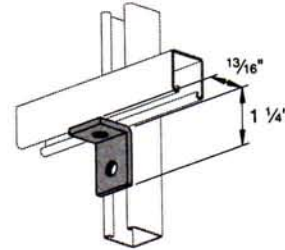


## PS 2008 – Two-Hole Corner Angle



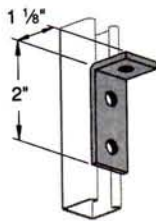
Weight/100 pcs: 5 lbs.

## PS 2017 – Two-Hole Corner Angle



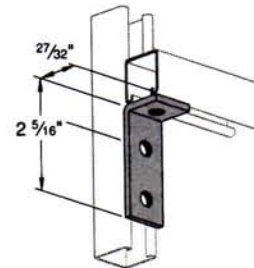
Weight/100 pcs: 5 lbs.

## PS 2018 – Three-Hole Corner Angle



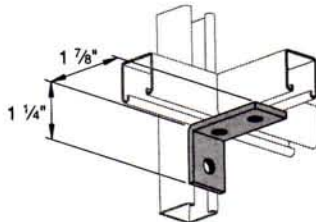
Weight/100 pcs: 8 lbs.

## PS 2025 – Three-Hole Corner Angle



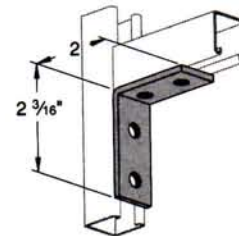
Weight/100 pcs: 8 lbs.

## PS 2037 – Three-Hole Corner Angle



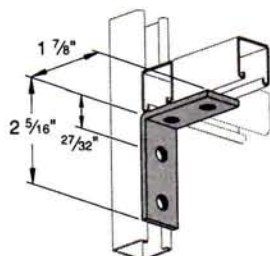
Weight/100 pcs: 8 lbs.

## PS 2019 – Four-Hole Corner Angle



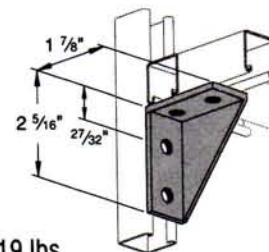
Weight/100 pcs: 11 lbs.

## PS 2024 – Four-Hole Corner Angle



Weight/100 pcs: 11 lbs.

## PS 2023 R or L – Four-Hole Shelf Bracket



Weight/100 pcs: 19 lbs.

Note: Specify R (right) or L (left) when ordering  
*Right Hand Illustrated*

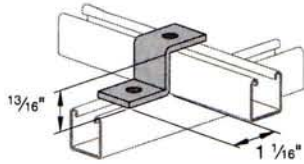
# JUNIOR CHANNEL FITTINGS



**General Information**  
 Stock Width:  $1\frac{3}{16}$ " Stock Thickness:  $\frac{1}{8}$ "  
 Finish: Electro-galvanized  
 Hole Diameter:  $\frac{9}{32}$ "  
 Hole Spacing:  $1\frac{3}{32}$ " from end,  $1\frac{1}{16}$ " on center  
 Order By: No. & Size

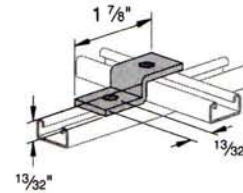


## PS 2010 – Zee Support



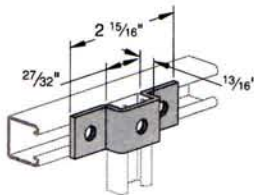
Weight/100 pcs: 7 lbs.  
 Use With: PS 600J

## PS 2026 –Zee Support



Weight/100 pcs: 6 lbs.  
 Use With: PS 700J

## PS 2011 – "U" Support



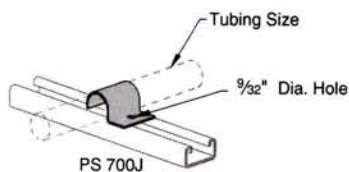
Weight/100 pcs: 12 lbs.  
 Use With: PS 600J

## PS 2029 – End Cap



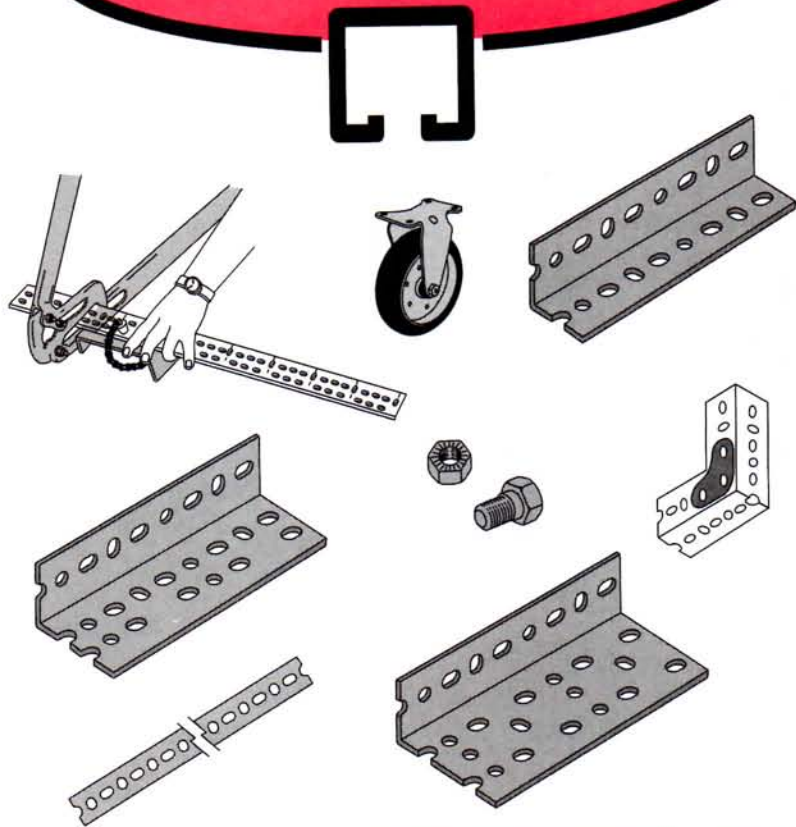
Weight/100 pcs: 2 lbs.  
 Use With: PS 600J

## PS 2041 – Tubing Clamps



Size Tubing O.D.	Wt./ 100 pcs
$\frac{1}{4}$ "	2
$\frac{3}{8}$ "	2
$\frac{1}{2}$ "	2
$\frac{5}{8}$ "	2
$\frac{3}{4}$ "	3
$\frac{7}{8}$ "	3
1"	3

# POWER-STRUT®



*A complete support system that's versatile,  
economical and easy to use.*

- *No drilling, welding or special tools necessary*
- *Fast, efficient bolt-together construction*
- *Easy to change and adjust*

#### **STANDARD LENGTHS:**

Standard lengths are 10' and 12'. Slotted angle is shipped in ten-piece bundles complete with 75 pieces of  $\frac{3}{8}$ " - 16 x  $\frac{3}{4}$ " hex head bolts and  $\frac{3}{8}$ " nuts

#### **STANDARD FINISH:**

Available in two durable, long-lasting finishes.  
Pre-galvanized or Power-Green™.

#### **ORDERING INFORMATION:**

When ordering, add the length or size and finish to the part number.  
See pages 4 - 6 for finish abbreviations and an example.

**POWER-ANGLE**



# POWER-ANGLE



## General Information

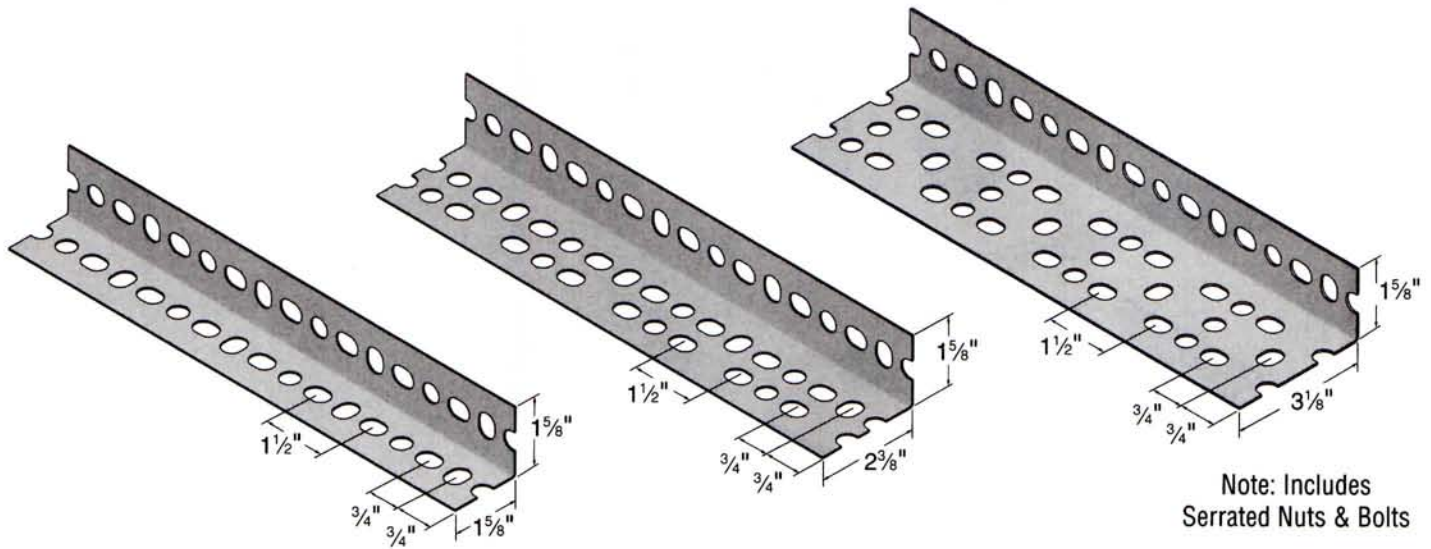
Stock Thickness: .075 (14 ga.)  
 Finish: Pre-galvanized or acrylic green  
 Stock Length: 10 and 12 feet  
 Order By: No., Size & Finish



**PA 158** – Light Duty  
 (1<sup>5</sup>/<sub>8</sub>" x 1<sup>5</sup>/<sub>8</sub>" x 14 ga.)

**PA 238** – Medium Duty  
 (1<sup>5</sup>/<sub>8</sub>" x 2<sup>3</sup>/<sub>8</sub>" x 14 ga.)

**PA 318** – Heavy Duty  
 (1<sup>5</sup>/<sub>8</sub>" x 3<sup>1</sup>/<sub>8</sub>" x 12 ga.)



Weight/100 ft.: 66 lbs.

Weight/100 ft.: 80 lbs.

Weight/100 ft.: 130 lbs.

**PA 1SC** – Swivel Caster



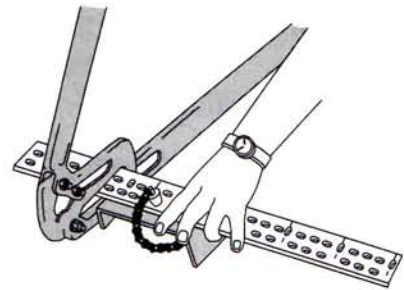
Weight/100 pcs: 170 lbs.

**PA 1RC** – Rigid Caster



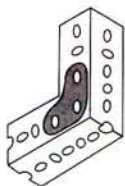
Weight/100 pcs: 110 lbs.

**PA 1HDC** – Portable Cutter



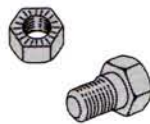
Weight/ pcs: 17 lbs.

**PA 1GP** – Gusset Plate



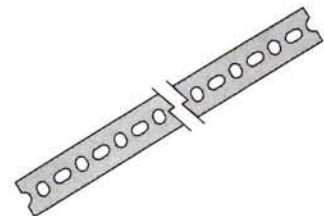
Weight/100 pcs: 9 lbs.

**PA 1SNB** – Serrated Nuts and Bolts



Weight/100 pcs: 7 lbs.

**PA 1RP** – Slotted Strap



Weight/100 pcs: 35 lbs.

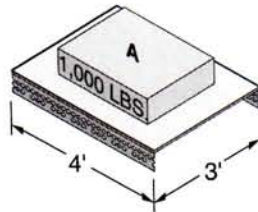


## Beam Load Calculations

The beam loading depends on which slotted angle is used and the manner in which the beam is constructed. The diagrams on the next page show how individual slotted angle components can be combined to form a beam. The loading for each beam configuration is shown in the beam loading tables on the following pages.

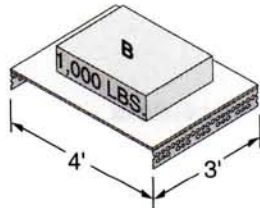
### Example - Load "A"

Load "A" is supported by two 48" sections of PA-238 (1 $\frac{5}{8}$ " x 2 $\frac{3}{8}$ "). The 48" row of Table 2 (page 135) indicates what each beam configuration will support. Since the columns are sorted from lowest to highest load, the first configuration that satisfies the requirement is "J" which will support 1,100 lbs.



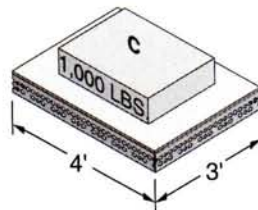
### Example - Load "B"

Load "B" is supported by two 36" sections of PA-238 (1 $\frac{5}{8}$ " x 2 $\frac{3}{8}$ "). The 36" row of Table 2 (Page 135) indicates what each beam configuration will support. Since the columns are sorted from lowest to highest load, the first configuration that satisfies the requirement is "J" which will support 1,100 lbs.



### Example - Load "C"

Load "C" is supported by all four beam sections. The load is distributed uniformly on two 3' and two 4' beams which total 14' of supporting beam length. Dividing the 1,000 lb. load by 14-feet equals 72 lbs. per foot. Using the two longest (weakest) lengths, calculate the total weight as follows:

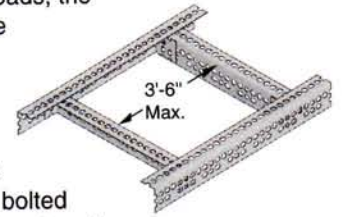


$$2 \text{ (beams)} \times 4' \text{ (length)} \times 72 \text{ lbs./ft.} = 576 \text{ lbs. total weight}$$

The 36" row of Table 2 (Page 135) indicates what each beam configuration will support. Since the columns are sorted from lowest to highest load, the first configuration that satisfies the requirement is "J" which will support 830 lbs. and is adequate for this requirement. The 3-foot beams configured in the same manner will support the load because they are shorter and stronger.

## Transverse Stiffeners

When supporting concentrated loads, the capacity of a pair of slotted-angle beams can be increased by the addition of transverse stiffeners. These should be placed immediately under the load bearing point. The slotted-angle segment used as the stiffener is bolted into place using a metal connector at each junction.



Beams that are 6' long or less require only one stiffener in the center of the span. Seven-foot beams need two stiffeners placed 2' from each end. Eight-foot beams require two stiffeners 2'6" from the ends. For beams with a nine-foot span, it is necessary to have three stiffeners at 2'3" intervals. Ten-foot beams need three stiffeners with 2'6" spacings.

For maximum effectiveness, transverse stiffeners should never be spaced more than 3'6" apart.

Note: All loads based on actual physical testing. Documentation available on request.

## Column Load Calculations

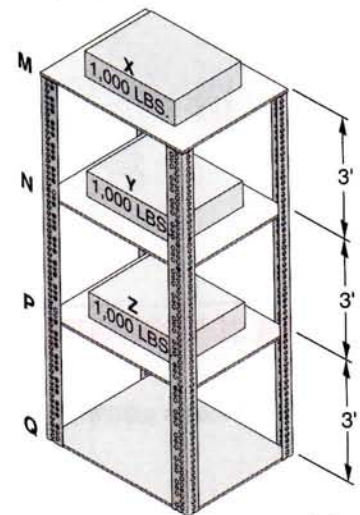
Column sections are calculated as described in the following example: (Assumes use of PA-238 1 $\frac{5}{8}$ " x 2 $\frac{3}{8}$ ", material.)

Since all load areas are supported equally by the 4-columns, the calculations are based on a single-column section.

Section MN is one-fourth of "X", or 250 pounds. Column section NP supports one-fourth of "Y" (250 pounds) plus the load supported by MN, or a total of 500 pounds. Section PQ supports one-fourth of "Z" (250 pounds) plus the 500 pound load on section NP, or a total of 750 pounds.

Column loads are based on free and unbraced column lengths. Since MN, NP and PQ are each 3' long, the load requirement is for a 36" section that will bear 750 pounds safely. A reference to Table 5 (Page 136) indicates that all sections designated "A" will support 2,280 lbs. and meet the necessary requirements.

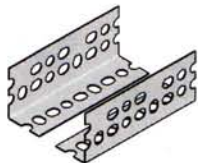
Note: To simplify assembly, we recommend using the same size material as for the horizontal members. This would be found in Table 2 to match the 14 gauge 1 $\frac{5}{8}$ " x 2 $\frac{3}{8}$ " material selected for the beams of this structure.



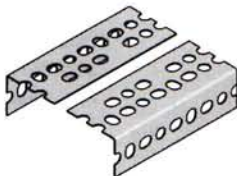


**BEAM CONFIGURATIONS** (See corresponding letters in table on following page for load data)

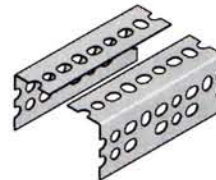
**G – Two Single Pieces (Up)**



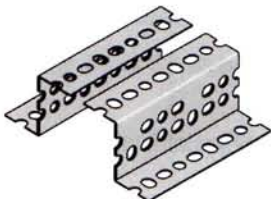
**H – Two Single Pieces (Level)**



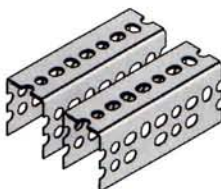
**I – Two Single Pieces (Down)**



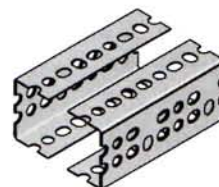
**J – Two Z-Sections**



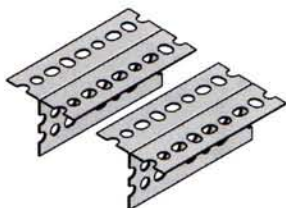
**K – Two Narrow Channels**



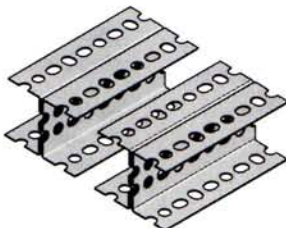
**L – Two Broad Channels**



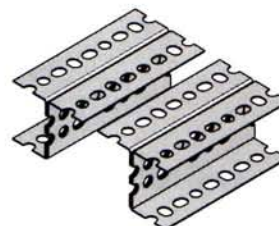
**M – Two T-Sections**



**N – Two I-Section**

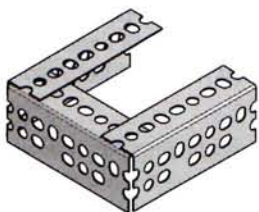


**O – Two J-Sections**

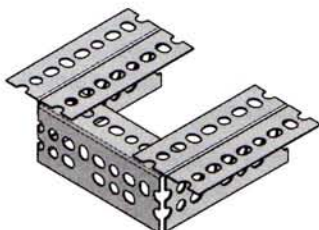


**BEAM CONFIGURATIONS WITH STIFFENERS** (See corresponding letters in table on following page for load data)

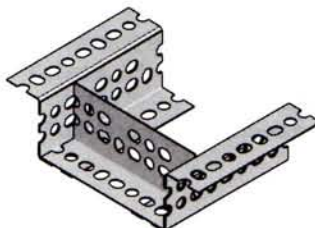
**P – Single Pieces w/Stiffner**



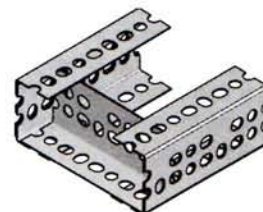
**Q – T-Sections w/Stiffener**



**R – Z-Sections w/Stiffener**



**R – I-Sections w/Stiffener**

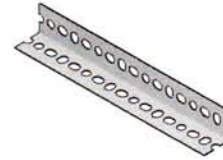






**BEAM LOADS**

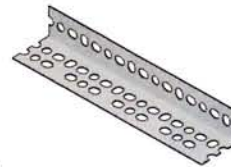
**PA 158** – Light Duty (1<sup>5</sup>/<sub>8</sub>" x 1<sup>5</sup>/<sub>8</sub>" x 14 ga.)



**Beam Load in Pounds\***

Beam Span (Inches)	Beam Configuration (See Previous Page)						
	G	H	I	P	L	R	M
24	550	830	830	920	1,600	1,700	1,840
36	370	560	560	610	1,070	1,130	1,230
48	280	420	420	460	800	850	920
60	220	330	330	370	640	680	740
72	180	280	280	310	530	570	610
84	•	240	240	260	460	490	530
96	•	210	210	230	400	430	460
108	•	•	•	•	360	380	410
120	•	•	•	•	320	340	370

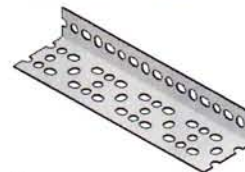
**PA 238** – Medium Duty (1<sup>5</sup>/<sub>8</sub>" x 2<sup>3</sup>/<sub>8</sub>" x 14 ga.)



**Beam Load in Pounds\***

Beam Span (Inches)	Beam Configuration (See Previous Page)											
	G	H	I	P	J	L	R	M	K	Q	O	N
24	700	1,020	1,660	1,740	2,220	3,170	3,230	3,490	3,590	3,630	6,060	7,560
36	460	680	1,100	1,160	1,480	2,110	2,150	2,320	2,390	2,420	4,040	5,040
48	350	510	830	870	1,110	1,580	1,620	1,740	1,800	1,810	3,030	3,780
60	280	410	660	700	890	1,270	1,290	1,390	1,440	1,450	2,420	3,020
72	230	340	550	580	740	1,060	1,080	1,160	1,200	1,210	2,020	2,520
84	•	290	470	500	630	910	920	1,000	1,030	1,040	1,730	2,160
96	•	260	410	440	550	790	810	870	900	910	1,520	1,890
108	•	•	•	•	490	700	720	770	800	810	1,350	1,680
120	•	•	•	•	440	630	650	700	720	730	1,210	1,510

**PA 318** – Heavy Duty (1<sup>5</sup>/<sub>8</sub>" x 3<sup>1</sup>/<sub>8</sub>" x 12 ga.)



**Beam Load in Pounds\***

Beam Span (Inches)	Beam Configuration (See Previous Page)											
	G	H	I	P	J	L	R	M	K	Q	O	N
24	1,790	1,610	4,300	4,960	6,520	7,910	8,070	9,920	9,990	10,170	14,600	16,120
36	1,200	1,070	2,870	3,310	4,350	5,270	5,380	6,610	6,660	6,780	9,730	10,750
48	900	810	2,150	2,480	3,260	3,950	4,030	4,960	4,990	5,080	7,300	8,060
60	720	640	1,720	1,980	2,610	3,160	3,230	3,970	4,000	4,070	5,840	6,450
72	600	540	1,430	1,650	2,170	2,640	2,690	3,310	3,330	3,390	4,870	5,370
84	•	460	1,230	1,420	1,860	2,260	2,300	2,830	2,850	2,910	4,170	4,610
96	•	400	1,080	1,240	1,630	1,980	2,020	2,480	2,500	2,540	3,650	4,030
108	•	•	•	1,100	1,450	1,760	1,790	2,200	2,220	2,260	3,240	3,580
120	•	•	•	990	1,300	1,580	1,610	1,980	2,000	2,030	2,920	3,220

\* Based on simple beam condition with uniform loads on parallel beams.  
To determine concentrated load capacity at mid-span, multiply uniform load by 0.5.



**COLUMN SECTIONS**

(See corresponding letters in table on following page for load data)

**A – Single Piece**



**B – T-Section**



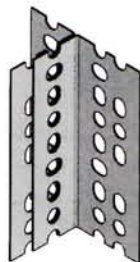
**B – Broad Channel Section**



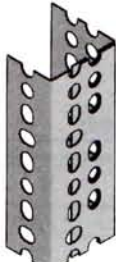
**B – Narrow Channel Section**



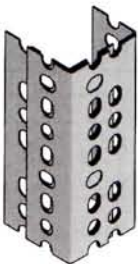
**C – Uneven T-Section**



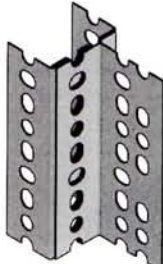
**C – Uneven Channel Section**



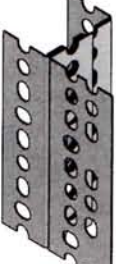
**D – Dual Channel Section**



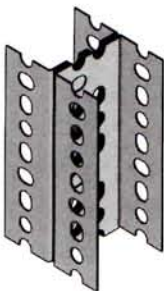
**D – T-Channel Section**



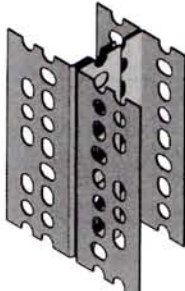
**D – T-Channel Section**



**E – I-Section**



**F – Uneven I-Section**



**COLUMN LOAD**

**PA 158 – Light Duty** (1<sup>5</sup>/<sub>8</sub>" x 1<sup>5</sup>/<sub>8</sub>" x 14 ga.)

**Column Load in Pounds\***

Column Height (Inches)	Column Sections (See Left Side of Page)	
	A	B
36"	1,450	3,850
48"	1,150	3,500
60"	950	3,000
72"	750	2,500

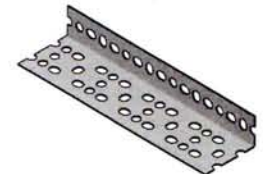
**PA 238 – Medium Duty** (1<sup>5</sup>/<sub>8</sub>" x 2<sup>3</sup>/<sub>8</sub>" x 14 ga.)



**Column Load in Pounds\***

Column Height (Inches)	Column Sections (See Left Side of Page)					
	A	B	C	D	E	F
36"	2,280	4,760	4,940	7,270	9,520	9,865
48"	1,970	4,490	4,680	6,920	8,970	9,330
60"	1,520	3,995	4,310	6,370	7,990	8,620
72"	1,070	3,140	3,870	5,840	6,280	7,715
84"	660	2,340	3,665	4,930	4,660	6,740
96"	•	1,750	2,700	3,850	3,500	5,365
108"	•	•	2,060	2,870	•	4,115
120"	•	•	1,610	2,690	•	3,210

**PA 318 – Heavy Duty** (1<sup>5</sup>/<sub>8</sub>" x 3<sup>1</sup>/<sub>8</sub>" x 12 ga.)



**Column Load in Pounds\***

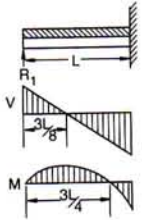
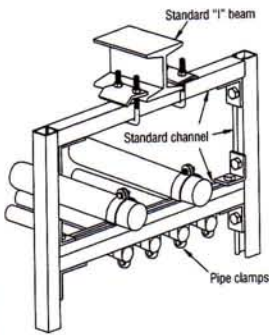
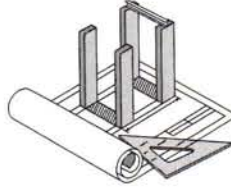
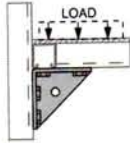
Column Height (Inches)	Column Sections (See Left Side of Page)					
	A	B	C	D	E	F
36"	3,470	7,970	8,770	12,560	15,940	17,550
48"	2,870	7,360	8,580	11,970	14,750	17,150
60"	1,970	6,570	8,180	11,360	13,160	16,360
72"	1,280	5,270	7,690	10,480	10,560	15,360
84"	•	3,670	6,970	9,470	7,370	13,970
96"	•	2,580	6,260	8,370	5,170	12,570
108"	•	•	5,460	6,880	•	10,970
120"	•	•	4,460	5,370	•	8,960

\* Column Loads are concentric without intermediate lateral support.

# POWER-STRUT®



$$\Delta_{\max.} = \frac{Pab(a+2b)}{27EI} \sqrt{3a(a+2b)}$$

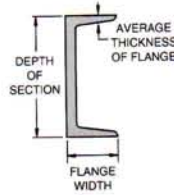


$$R_1 = \frac{3W}{8}$$

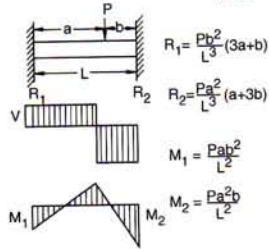
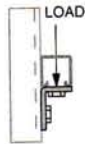
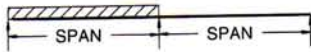
$$V_{\max.} = \frac{5W}{8}$$

$$M_{\max.} = \frac{WL}{8}$$

$$\Delta_{\max.} \text{ at } x = 0.4215L$$



$$\Delta_{\max.} = \frac{WL^3}{185EI}$$



$$R_1 = \frac{Pb^2}{L^3}(3a+b)$$

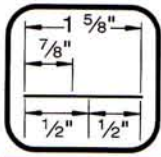
$$R_2 = \frac{Pa^2}{L^3}(a+3b)$$

$$M_1 = \frac{Pab^2}{L^2}$$

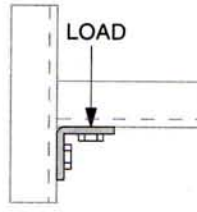
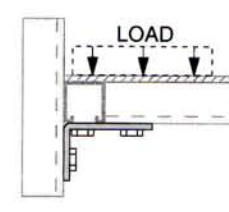
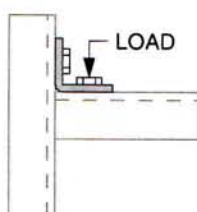
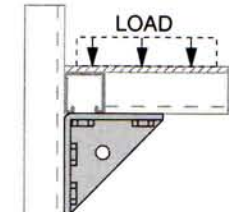
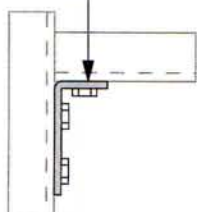
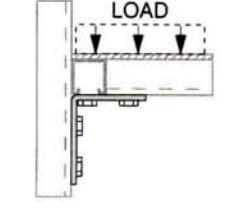
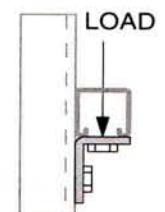
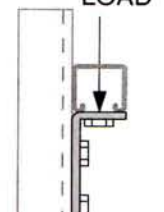
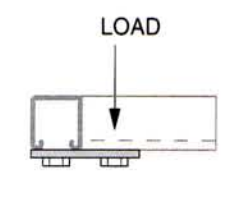
$$M_2 = \frac{Pa^2b}{L^2}$$

## TECHNICAL DATA





**DESIGN LOAD DATA FOR POWER-STRUT CHANNEL CONNECTIONS**

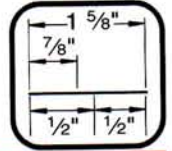
<p><b>PS 603</b> – PS-200 1500# PS-210 1000#</p>  <p>Both Ends Supported</p>	<p><b>PS 605</b> – PS-200 1500# PS-210 1000#</p>  <p>Both Ends Supported</p>
<p><b>PS 603</b> – PS-200 1000# PS-210 650#</p>  <p>Both Ends Supported</p>	<p><b>PS 3373</b> – PS-200 3000# PS-210 2000#</p>  <p>Both Ends Supported</p>
<p><b>PS 745</b> – PS-200 2000# PS-210 1500#</p>  <p>Both Ends Supported</p>	<p><b>PS 607</b> – PS-200 2000# PS-210 2000#</p>  <p>Both Ends Supported</p>
<p><b>PS 604</b> – 500#</p> 	<p><b>PS 606</b> – 500#</p>  <p><b>PS-200</b> 1000# <b>PS-210</b> 800#</p>  <p>Both Ends Supported</p>

1.) Safety Factor = 2-1/2 based on ultimate strength of connection.

2.) Load Diagrams indicate design loads for 12 ga. (listed as PS-200) and for 14 ga. (listed as PS-210) channels.



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**BEAM DIAGRAMS AND FORMULAS**

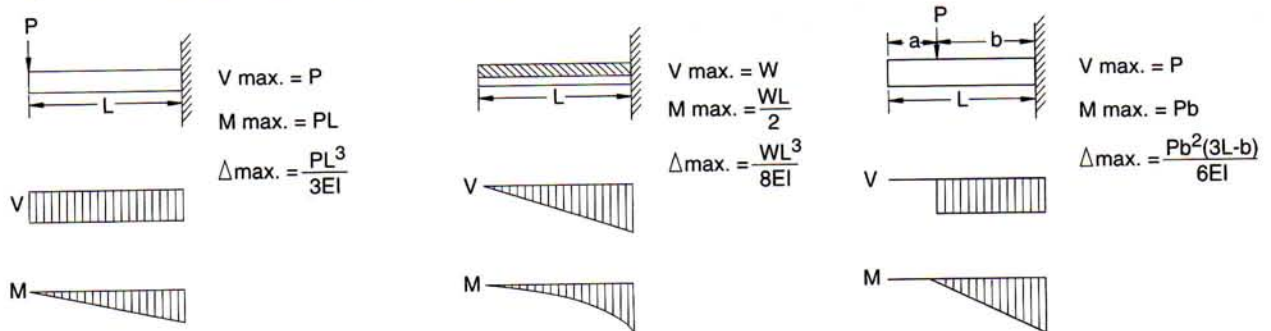
**Nomenclature**

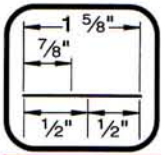
E	Modulus of Elasticity of steel at 29,000 ksi.
I	Moment of Inertia of Beam (inch <sup>4</sup> ).
M <sub>max</sub>	Maximum Moment (kip inch)
M <sub>1</sub>	Maximum moment in left section of beam (kip inch)
M <sub>2</sub>	Maximum moment in right section of beam (kip inch)
M <sub>x</sub>	Moment at distance x from end of beam (kip inch)
P	Concentrated Load (kips)
R	End beam reaction for any condition of symmetrical loading (kips)
R <sub>1</sub>	Left end beam reaction (kips)
R <sub>2</sub>	Right end or intermediate beam reaction (kips)
V	Maximum vertical shear for any condition of symmetrical loading (kips)
V <sub>1</sub>	Maximum vertical shear in left section of beam (kips)
V <sub>2</sub>	Vertical shear at right reaction point, or to left of intermediate reaction point of beam (kips)
V <sub>x</sub>	Vertical shear at distance x from end of beam (kips)
a	Measured distance along beam (inch)
b	Measured distance along beam which may be greater or less than "a" (inch)
L	Total length of beam between reaction points (inch)
W	Uniformly distributed load per unit of length (kips per in.)
x	Any distance measured along beam from left reaction (inch)
x <sub>1</sub>	Any distance measured along overhang section of beam from nearest reaction point (in).
Δ <sub>max</sub>	Maximum deflection (inch)
Δ <sub>a</sub>	Deflection at point of load (inch)
Δ <sub>x</sub>	Deflection at point x distance from left reaction (inch)

**BEAM DIAGRAMS AND FORMULAS**

*For various static loading conditions*

**CANTILEVER BEAMS**





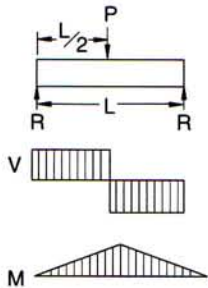
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**BEAM DIAGRAMS AND FORMULAS**

For various static loading conditions

**SIMPLE BEAMS**

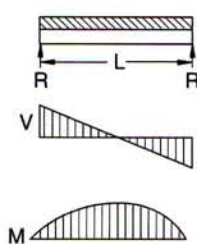


$$R = \frac{P}{2}$$

$$V_{max} = \frac{P}{2}$$

$$M_{max} = \frac{PL}{4}$$

$$\Delta_{max} = \frac{PL^3}{48EI}$$

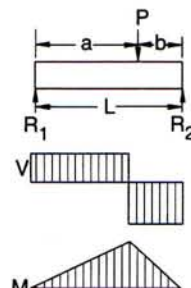


$$R = \frac{W}{2}$$

$$V_{max} = \frac{W}{2}$$

$$M_{max} = \frac{WL}{8}$$

$$\Delta_{max} = \frac{5WL^3}{384EI}$$



$$R_1 = \frac{Pb}{L}$$

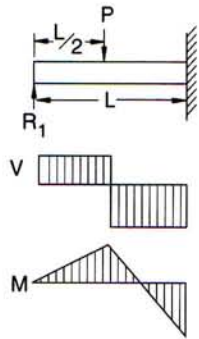
$$R_2 = \frac{Pa}{L}$$

$$V_{max} = \frac{Pa}{L}$$

$$M_{max} = \frac{Pab}{L}$$

$$\Delta_{max} = \frac{Pab(a+2b)}{27EI} \sqrt{\frac{3a(a+2b)}{L}}$$

**BEAMS FIXED AT ONE END, SUPPORTED AT OTHER**



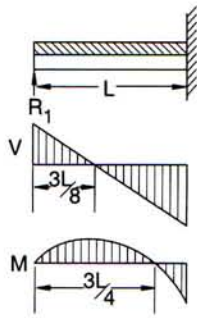
$$R_1 = \frac{5P}{16}$$

$$V_{max} = \frac{11P}{16}$$

$$M_{max} = \frac{3PL}{16}$$

$$\Delta_{max. \text{ at } x = 0.447L}$$

$$\Delta_{max.} = 0.009317 \frac{PL^3}{EI}$$



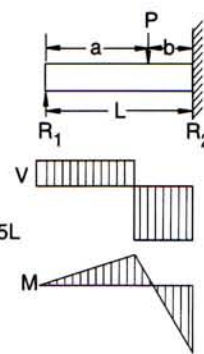
$$R_1 = \frac{3W}{8}$$

$$V_{max} = \frac{5W}{8}$$

$$M_{max} = \frac{WL}{8}$$

$$\Delta_{max. \text{ at } x = 0.4215L}$$

$$\Delta_{max.} = \frac{WL^3}{185EI}$$



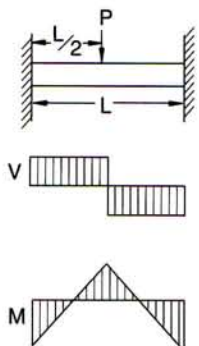
$$R_1 = \frac{Pb^2}{2L^3}(a+2L)$$

$$R_2 = \frac{Pa}{2L^3}(3L^2-a^2)$$

M at point of load =  $R_1 a$

M at fixed end =  $\frac{Pab}{2L^3}(a+L)$

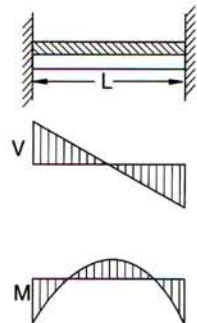
**BEAMS FIXED AT BOTH ENDS**



$$V_{max} = \frac{P}{2}$$

$$M_{max} = \frac{PL}{8}$$

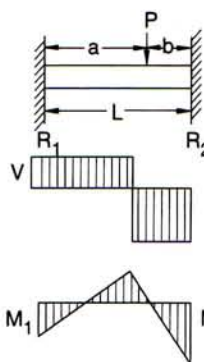
$$\Delta_{max.} = \frac{PL^3}{192EI}$$



$$V_{max} = \frac{W}{2}$$

$$M_{max} = \frac{WL}{12}$$

$$\Delta_{max.} = \frac{WL^3}{384EI}$$

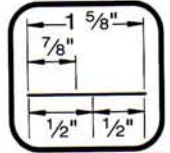


$$R_1 = \frac{Pb^2}{L^3}(3a+b)$$

$$R_2 = \frac{Pa^2}{L^3}(a+3b)$$




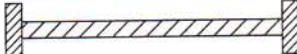
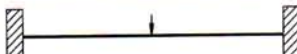






$$M_1 = \frac{Pab^2}{L^2}$$

$$M_2 = \frac{Pa^2b}{L^2}$$



**BEAM LOAD (STATIC) CONVERSION FACTORS**

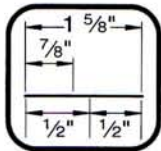
Power-Strut beam loads shown for various channels throughout this catalog are for single span, simple beams, with uniform loads. Loading or other support conditions can be calculated by multiplying the channel beam load by the appropriate factor listed below.

LOAD AND SUPPORT CONDITION	LOAD FACTOR	DEFLECTION FACTOR
1. Simple Beam, Uniform Load 	1.00	1.00
2. Simple Beam, Concentrated Load at Center 	0.50	0.80
3. Simple Beam, Two Equal Concentrated Loads at 1/4 pts 	1.00	1.10
4. Beam Fixed at Both Ends, Uniform Load 	1.50	0.30
5. Beam Fixed at Both Ends, Concentrated Load at Center 	1.00	0.40
6. Cantilever Beam, Uniform Load 	0.25	2.40
7. Cantilever Beam, Concentrated Load at End 	0.12	3.20
8. Continuous Beam, Two Equal Spans, Uniform Load on One Span 	1.30	0.92
9. Continuous Beam, Two Equal Spans, Uniform Load on Both Ends 	1.00	0.42
10. Continuous Beam, Two Equal Spans, Concentrated Load at Center of One Span 	0.62	0.71
11. Continuous Beam, Two Equal Spans, Concentrated Load at Center of Each Span 	0.67	0.48




**PROBLEMS & SOLUTIONS**



- 1.) To determine the load and deflection of a PS-200 simple beam 72" long, with a concentrated load at the center of span:  
 From the PS-200 Beam Load Chart (page 15), the maximum uniform load for a 72" span is 560# with a deflection of .50".  
 Multiply the above factors: Load = 560 x .50 = 280#  
 Deflection = .50 x .80 = .40"

- 2.) To determine the load and deflection of a PS-200-2T3 cantilever beam 24" long with a concentrated load at end:  
 From the PS-200-2T3 Beam Load Chart (page 16), the maximum uniform load for a 24" span is 3130# with a deflection of .02".  
 Multiply the above factors: Load = 3130# x .12 = 376#  
 Deflection = .02 x 3.20 = .064"



**MINIMUM SIZE POWER-STRUT CHANNEL  
TO COMPLY WITH NFPA 13 TABLE 2-6.1 5(a) 1996 EDITION**

Channel Size	Sect. Mod. (in <sup>3</sup> )
 <b>PS-200</b> 1 5/8" x 1 1/8" x 12 ga.	.192
 <b>PS-150</b> 1 5/8" x 2 7/16" x 12 ga.	.370
 <b>PS-100</b> 1 5/8" x 3 1/4" x 12 ga.	.591

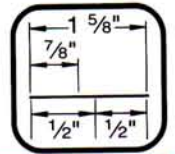
Channel Size	Sect. Mod. (in <sup>3</sup> )
 <b>PS-150 2T3</b> 1 5/8" x 4 7/8" x 12 ga.	1.083
 <b>PS-100 2T3</b> 1 5/8" x 6 1/2" x 12 ga.	1.797

**SECTION MODULUS REQUIRED FOR TRAPEZE MEMBERS (IN.<sup>3</sup>)**

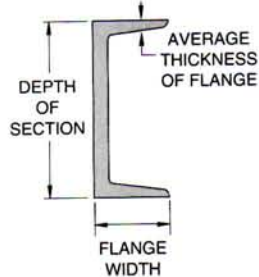
Span of Trapeze	Pipe Size											
	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	5"	6"	8"	10"
1 ft. 6 in.	0.08	0.09	0.09	0.09	0.10	0.11	0.12	0.13	0.15	0.18	0.24	0.32
	0.08	0.09	0.09	0.10	0.11	0.12	0.13	0.15	0.18	0.22	0.30	0.41
2 ft. 0 in.	0.11	0.12	0.12	0.13	0.13	0.15	0.16	0.17	0.20	0.24	0.32	0.43
	0.11	0.12	0.12	0.13	0.15	0.16	0.18	0.20	0.24	0.29	0.40	0.55
2 ft. 6 in.	0.14	0.14	0.15	0.16	0.17	0.18	0.20	0.21	0.25	0.30	0.40	0.54
	0.14	0.15	0.15	0.16	0.18	0.21	0.22	0.25	0.30	0.36	0.50	0.68
3 ft. 0 in.	0.17	0.17	0.18	0.19	0.20	0.22	0.24	0.26	0.31	0.36	0.48	0.65
	0.17	0.18	0.18	0.20	0.22	0.25	0.27	0.30	0.36	0.43	0.60	0.82
4 ft. 0 in.	0.22	0.23	0.24	0.25	0.27	0.29	0.32	0.34	0.41	0.48	0.64	0.87
	0.22	0.24	0.24	0.26	0.29	0.33	0.36	0.40	0.48	0.58	0.80	1.09
5 ft. 0 in.	0.28	0.29	0.30	0.31	0.34	0.37	0.40	0.43	0.51	0.59	0.80	1.08
	0.28	0.29	0.30	0.33	0.37	0.41	0.45	0.49	0.60	0.72	1.00	1.37
6 ft. 0 in.	0.33	0.35	0.36	0.38	0.41	0.44	0.48	0.51	0.61	0.71	0.97	1.30
	0.34	0.35	0.36	0.39	0.44	0.49	0.54	0.59	0.72	0.87	1.20	1.64
7 ft. 0 in.	0.39	0.40	0.41	0.44	0.47	0.52	0.55	0.60	0.71	0.83	1.13	1.52
	0.39	0.41	0.43	0.46	0.51	0.58	0.63	0.69	0.84	1.01	1.41	1.92
8 ft. 0 in.	0.44	0.46	0.47	0.50	0.54	0.59	0.63	0.68	0.81	0.95	1.29	1.73
	0.45	0.47	0.49	0.52	0.59	0.66	0.72	0.79	0.96	1.16	1.61	
9 ft. 0 in.	0.50	0.52	0.53	0.56	0.61	0.66	0.71	0.77	0.92	1.07	1.45	
	0.50	0.53	0.55	0.59	0.66	0.74	0.81	0.89	1.08	1.30	1.81	
10 ft. 0 in.	0.56	0.58	0.59	0.63	0.68	0.74	0.79	0.85	1.02	1.19	1.61	
	0.56	0.59	0.61	0.65	0.74	0.82	0.90	0.99	1.20	1.44		

Top values are for Schedule 10 pipe; bottom values are for Schedule 40 Pipe.



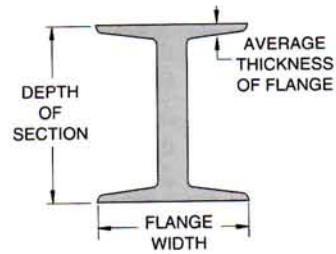


**CHANNELS** – American Standard

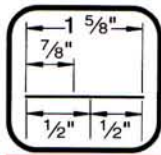


Depth of Section	Weight/Foot	Flange Width	Avg. Flange Thickness
3"	4.10	1 <sup>3</sup> / <sub>8</sub> "	0.273"
	5.00	1 <sup>1</sup> / <sub>2</sub> "	
	6.00	1 <sup>5</sup> / <sub>8</sub> "	
4"	5.40	1 <sup>5</sup> / <sub>8</sub> "	0.296"
	7.25	1 <sup>3</sup> / <sub>4</sub> "	
5"	6.70	1 <sup>3</sup> / <sub>4</sub> "	0.320"
	9.00	1 <sup>7</sup> / <sub>8</sub> "	
6"	8.20	1 <sup>7</sup> / <sub>8</sub> "	0.343"
	10.50	2"	
	13.00	2 <sup>1</sup> / <sub>8</sub> "	
7"	9.80	2 <sup>1</sup> / <sub>8</sub> "	0.366"
	12.25	2 <sup>1</sup> / <sub>4</sub> "	
	14.75	2 <sup>1</sup> / <sub>4</sub> "	
8"	11.50	2 <sup>1</sup> / <sub>4</sub> "	0.390"
	13.75	2 <sup>3</sup> / <sub>8</sub> "	
	18.75	2 <sup>1</sup> / <sub>2</sub> "	
9"	13.40	2 <sup>3</sup> / <sub>8</sub> "	0.413"
	15.00	2 <sup>1</sup> / <sub>2</sub> "	
	20.00	2 <sup>5</sup> / <sub>8</sub> "	
10"	15.30	2 <sup>5</sup> / <sub>8</sub> "	0.436"
	20.00	2 <sup>3</sup> / <sub>4</sub> "	
	25.00	2 <sup>7</sup> / <sub>8</sub> "	
	30.00	3"	
12"	20.70	3"	0.501"
	25.00	3"	
	30.00	3 <sup>1</sup> / <sub>8</sub> "	
15"	33.90	3 <sup>3</sup> / <sub>8</sub> "	0.650"
	40.00	3 <sup>1</sup> / <sub>2</sub> "	
	50.00	3 <sup>3</sup> / <sub>4</sub> "	
18"	42.70	4"	0.625"
	45.80	4"	
	51.90	4 <sup>1</sup> / <sub>8</sub> "	

**I-BEAMS** – American Standard



Depth of Section	Weight/Foot	Flange Width	Avg. Flange Thickness
3"	5.70	2 <sup>3</sup> / <sub>8</sub> "	0.260"
	7.50	2 <sup>1</sup> / <sub>2</sub> "	
4"	7.70	2 <sup>5</sup> / <sub>8</sub> "	0.293"
	9.50	2 <sup>3</sup> / <sub>4</sub> "	
5"	10.00	3"	0.326"
	14.75	3 <sup>1</sup> / <sub>4</sub> "	
6"	12.50	3 <sup>3</sup> / <sub>8</sub> "	0.359"
	17.25	3 <sup>5</sup> / <sub>8</sub> "	
7"	15.30	3 <sup>5</sup> / <sub>8</sub> "	0.392"
	20.00	3 <sup>7</sup> / <sub>8</sub> "	
8"	18.40	4"	0.426"
	23.00	4 <sup>1</sup> / <sub>8</sub> "	
10"	25.40	4 <sup>5</sup> / <sub>8</sub> "	0.491"
	35.00	5"	
12"	31.80	5"	0.544"
	35.00	5 <sup>1</sup> / <sub>8</sub> "	
	40.80	5 <sup>1</sup> / <sub>4</sub> "	
15"	50.00	5 <sup>1</sup> / <sub>2</sub> "	0.622"
	42.90	5 <sup>1</sup> / <sub>2</sub> "	
	50.00	5 <sup>5</sup> / <sub>8</sub> "	
18"	54.70	6"	0.691
	70.00	6 <sup>1</sup> / <sub>4</sub> "	
20"	66.00	6 <sup>1</sup> / <sub>4</sub> "	0.795
	75.00	6 <sup>3</sup> / <sub>8</sub> "	
	86.00	7"	
	96.00	7 <sup>1</sup> / <sub>4</sub> "	
24"	80.00	7"	0.871
	90.00	7 <sup>1</sup> / <sub>8</sub> "	
	100.00	7 <sup>1</sup> / <sub>4</sub> "	
	106.00	7 <sup>7</sup> / <sub>8</sub> "	
	121.00	8"	

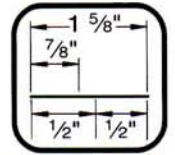


**WIDE FLANGE BEAMS**

Depth of Section	Wt/ Foot	Flange Width	Avg. Flange Thickness
5"	16	5"	0.360"
	19		0.430"
6"	12	4"	0.280"
	16	4"	0.405"
	20	6"	0.365"
	25	6"	0.455"
8"	13	4"	0.255"
	15	5 1/4"	0.315"
	18		0.330"
	21	6 1/2"	0.400"
	24		0.400"
	28	8"	0.465"
	31		0.435"
	35	8 1/8"	0.495"
	40		0.560"
	48	8 1/4"	0.685"
	58		0.810"
	67	0.935"	
10"	15	4"	0.270"
	17	5 3/4"	0.330"
	19		0.395"
	22	8"	0.360"
	26		0.440"
	30	10"	0.510"
	33		0.435"
	39	10 1/8"	0.530"
	45		0.620"
	49	10 1/4"	0.560"
	54		0.615"
	60	10 3/8"	0.680"
	68		0.770"
	77	10 3/4"	0.870"
88	0.990"		
100	12 1/8"	1.120"	
112		1.250"	
12"	16	4"	0.265"
	19	6 1/2"	0.350"
	22		0.425"
	26	8"	0.380"
	30		0.440"
	35	8 5/8"	0.520"
	40		0.515"
	45	8 3/4"	0.575"
	50		0.640"
	53	10"	0.575"
	58		0.640"
	65	12"	0.605"
	72		0.670"
	79	0.735"	

Depth of Section	Wt/ Foot	Flange Width	Avg. Flange Thickness	
12"	87	12 1/4"	0.810"	
	96		0.900"	
	106		12 3/8"	0.990"
	120		12 3/8"	1.105"
	136		12 1/2"	1.250"
	152			1.400"
	190		12 5/8"	1.735"
14"	22	5"	0.335"	
	26	6 3/4"	0.420"	
	30		0.385"	
	34	8"	0.455"	
	38		0.515"	
	43	10"	0.530"	
	48		0.595"	
	53	10 1/8"	0.660"	
	61		0.645"	
	68	14 1/2"	0.720"	
	74		0.785"	
	82	14 5/8"	0.855"	
	90		0.710"	
	99	15 5/8"	0.780"	
	109		0.860"	
	120	15 3/4"	0.940"	
	132		1.030"	
145	15 1/2"	1.090"		
159		1.190"		
176	16"	1.310"		
193		1.440"		
211	16 1/8"	1.560"		
233		1.720"		
257	16 3/8"	1.890"		
283		2.070"		
311	16 1/4"	2.260"		
342		2.470"		
370	16 1/2"	2.660"		
398		2.845"		
426	16 3/4"	3.035"		
16"	26	5 1/2"	0.345"	
	31	7"	0.440"	
	36		0.430"	
	40	7 1/8"	0.505"	
	45		0.565"	
	50	10 1/4"	0.630"	
	57		0.715"	
	67	10 3/8"	0.665"	
	77		0.760"	
	89	18"	0.875"	
100	0.985"			
35	6"	0.425"		

Depth of Section	Wt/ Foot	Flange Width	Avg. Flange Thickness		
18"	40	7 1/2"	0.525"		
	46		0.605"		
	50		0.570"		
	55		0.630"		
	60		0.695"		
	65		0.750"		
	71		0.810"		
	76		0.680"		
	86		11 1/8"	0.770"	
	97		0.870"		
	106		11 1/4"	0.940"	
119	1.060"				
21"	44	6 1/2"	0.450"		
	50	8 1/4"	0.535"		
	57		0.650"		
	62		0.615"		
	68		0.685"		
	73		0.740"		
	83		8 3/8"	0.835"	
	93		0.930"		
	111		12 3/8"	0.875"	
	122		0.960"		
	147		12 1/2"	1.150"	
24"	55		7"	0.505"	
	62	9"	0.590"		
	68		0.585"		
	76		0.680"		
	84		0.770"		
	94		9 1/8"	0.875"	
	104		12 3/4"	0.750"	
	117		0.850"		
	131		12 7/8"	0.960"	
	146		1.090"		
	162		13"	1.220"	
27"	84		10"	0.640"	
	94	10 1/8"	0.745"		
	102		0.830"		
	114		0.930"		
	146		14"	0.975"	
	161		1.080"		
	178		14 1/8"	1.190"	
	30"		99	10 1/2"	0.670"
			108	15"	0.760"
			116		0.850"
124			0.930"		
132		1.000"			
173		1.065"			
191		1.185"			
211		15 1/8"	1.315"		



**TABLES OF PIPE SPACING**

This chart, developed by Julius Getlan of Seelye Stevenson Value & Knecht, consulting engineers, New York City, enables one to quickly determine the centerline-to-centerline dimension between any two size pipes on a rack. Select the smaller pipe size at top and select the other at the side of the table. Where the appropriate columns intersect, the dimension is given.

These factors are included in the dimensions given:

- O.D. of flanges and fittings.
- 1" insulation over flanges and fittings.
- All fractional dimensions less than 1/4" were increased to the next larger 1/4".

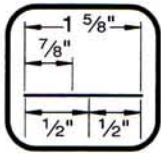
• Clear space between fittings as follows:

1. 1" between piping 3" and smaller.
2. 1 1/2" between a pipe 3" and smaller and a pipe 4" or larger.
3. 2" between piping 4" and larger.

**CENTERLINE TO CENTERLINE DIMENSIONS, INCHES**

Normal Pipe Dia. (In.)	Normal Pipe Diameter, Inches										
	3/4"		1"			1 1/4"			1 1/2"		
	T	S	T	F	S	T	F	S	T	F	S
3/4	T	4 3/4	—	—	—	—	—	—	—	—	—
	S	4 1/2	4 1/4	—	—	—	—	—	—	—	—
1	T	5	4 3/4	5 1/4	—	—	—	—	—	—	—
	F	6	5 3/4	6 1/4	7 1/4	—	—	—	—	—	—
	S	4 3/4	4 1/2	5	6	4 1/2	—	—	—	—	—
1 1/4	T	5 1/4	5	5 1/2	6 1/2	5	5 1/2	—	—	—	—
	F	6 1/4	6	6 1/2	7 1/2	6 1/4	6 3/4	7 3/4	—	—	—
	S	4 3/4	4 1/2	5	6	4 1/2	5 1/4	6 1/4	4 3/4	—	—
1 1/2	T	5 1/4	5	5 1/2	6 1/2	5 1/4	5 3/4	6 3/4	5 1/4	5 3/4	—
	F	6 1/2	6 1/4	6 3/4	7 3/4	6 1/4	6 3/4	8	6 1/2	7	8
	S	5	4 3/4	5 1/4	6 1/4	4 3/4	5 1/4	6	5	5 1/2	6 1/2
2	T	5 3/4	5 1/2	6	7	5 1/2	6	7 1/4	5 3/4	6 1/4	7 1/4
	F	7	6 3/4	7 1/4	8 1/4	6 3/4	7 1/4	8 1/2	7	7 1/2	8 1/2
	S	5 1/4	5	5 1/2	6 1/2	5	5 1/2	6 3/4	5 1/4	5 3/4	6 3/4
2 1/2	T	6	5 3/4	6 1/4	7 1/4	6	6 1/2	7 1/2	6	6 1/2	7 3/4
	F	7 1/2	7 1/4	7 3/4	8 3/4	7 1/4	7 3/4	9	7 1/2	8	9
	S	5 1/2	5 1/4	5 3/4	6 3/4	5 1/4	5 3/4	7	5 1/2	6	7
3	T	6 1/4	6	6 1/2	7 1/2	6 1/4	6 3/4	7 3/4	6 1/4	6 3/4	8
	F	7 3/4	7 1/2	8	9	7 1/2	8	9 1/4	7 3/4	8 1/4	9 1/4
	S	5 3/4	5 1/2	6	7	5 1/2	6	7 1/4	5 3/4	6 1/4	7 1/4
4	T	7 1/2	7 1/4	7 3/4	8 3/4	7 1/4	7 3/4	9	7 1/2	8	9
	F	9	8 3/4	9 1/4	10 1/4	8 3/4	9 1/4	10 1/2	9	9 1/2	10 1/2
	S	6 3/4	6 1/2	7	8	6 1/2	7	8 1/4	6 3/4	7 1/4	8 1/4
5	T	8	7 3/4	8 1/4	9 1/4	7 3/4	8 1/4	9 1/2	8	8 1/2	9 1/2
	F	9 1/2	9 1/4	9 3/4	10 3/4	9 1/4	9 3/4	11	9 1/2	10	11
	S	7 1/4	7	7 1/2	8 1/4	7	7 1/2	8 3/4	7 1/4	7 3/4	8 3/4
6	T	8 3/4	8 1/2	9	10	8 1/2	9	10 1/4	8 3/4	9 1/4	10 1/4
	F	10	9 3/4	10 1/4	11 1/4	9 3/4	10 1/4	11 1/2	10	10 1/2	11 1/2
	S	7 3/4	7 1/2	8	9	7 1/2	8	9 1/4	7 3/4	8 1/4	9 1/4
8	T	8 3/4	9 1/2	10	11	9 3/4	10 1/2	11 1/4	9 3/4	10 1/4	11 1/2
	F	11 1/4	11	11 1/2	12 1/2	11	11 1/2	12 3/4	11 1/4	11 3/4	12 3/4
10	T	11 1/4	11	11 1/2	12 1/2	11	11 1/2	12 3/4	11 1/4	11 3/4	12 3/4
	F	12 1/2	12 1/4	12 3/4	13 3/4	12 1/4	12 3/4	14	12 1/2	13	14
12	T	12 1/4	12	12 1/2	13 1/2	12	12 1/2	13 3/4	12 1/4	12 3/4	13 3/4
	F	14	13 3/4	14 1/4	15 1/4	13 3/4	14 1/4	15 1/2	14	14 1/2	15 1/2

T – denotes threaded IPS pipe. F – denotes flanged fittings on pipe. S – denotes soldered or brazed tubing.

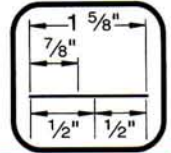


**CENTERLINE TO CENTERLINE DIMENSIONS, INCHES**

Nominal Pipe Dia. (In.)	Nominal Pipe Diameter, Inches												
	2"			2½"			3"			4"			
	T	F	S	T	F	S	T	F	S	T	F	S	
2	T	6½	–	–	–	–	–	–	–	–	–	–	
	F	7¾	9	–	–	–	–	–	–	–	–	–	
	S	6	7¼	5½	–	–	–	–	–	–	–	–	
2½	T	7	8¼	6½	7¼	–	–	–	–	–	–	–	
	F	8¼	9½	7¾	8¾	10	–	–	–	–	–	–	
	S	6¼	7½	5¾	6¾	8	6	–	–	–	–	–	
3	T	7¼	8½	6¾	7½	9	7	7¾	–	–	–	–	
	F	8½	9¾	8	9	10¼	8¼	9¼	10½	–	–	–	
	S	6½	7¾	6	7	8¼	6¼	7¼	8½	6½	–	–	
4	T	8¼	9½	7¾	8¾	10	8	9	10¼	8¼	10	–	
	F	9¾	11	9¼	10¼	11½	9½	10½	11¾	9¾	11½	13	
	S	7½	8¾	7	8	9¼	7¼	8¼	9½	7½	9¼	10¾	8½
5	T	8¾	10	8¼	9¼	10½	8½	9½	10¾	8¾	10¼	12	9¾
	F	10¼	11½	9¾	10¾	12	10	11	12¼	10¼	12	13½	11¼
	S	8	9¼	7½	8½	9¾	7¾	8¾	10	8	9¾	11¼	9
6	T	9½	10¾	9	10	11¼	9¼	10¼	11½	9½	11¼	12¾	10½
	F	10¾	12	10¼	11¼	12½	10½	11½	12¼	10¾	12½	14	11¾
	S	8½	9¾	8	9	10¼	8¼	9¼	10½	8½	10¼	11¾	9½
8	T	10¾	12	10½	11	12½	10½	11¼	12¾	10¾	12½	14	11¾
	F	12	13¼	11½	12½	13¾	11¾	12¾	14	12	13¾	15¼	13
	S	–	–	–	–	–	–	–	–	–	–	–	–
10	T	12	13¼	11½	12½	13¾	11¾	12¾	14	12	13¾	15¼	13
	F	13¼	14½	12¾	13¾	15	13	14	15¼	13¼	15	16½	14¼
	S	–	–	–	–	–	–	–	–	–	–	–	–
12	T	13	14¼	12½	13½	14¾	12¾	13¾	15	13	14¾	16¼	14
	F	14¾	16	14¼	15¼	16½	14½	15½	16¾	14¾	16½	18	15¾
	S	–	–	–	–	–	–	–	–	–	–	–	–

Nominal Pipe Dia. (In.)	Nominal Pipe Diameter, Inches												
	5"			6"			8"		10"		12"		
	T	F	S	T	F	S	T	F	T	F	T	F	
5	T	11	–	–	–	–	–	–	–	–	–	–	
	F	12½	14	–	–	–	–	–	–	–	–	–	
	S	10¼	11¾	9½	–	–	–	–	–	–	–	–	
6	T	11¾	13¼	11	12½	–	–	–	–	–	–	–	
	F	13	14½	12¼	13¼	15	–	–	–	–	–	–	
	S	10¾	12¼	10	11½	12¾	10½	–	–	–	–	–	
8	T	13	14½	12¼	13¾	15	12¾	14¾	–	–	–	–	
	F	14¼	15¾	13½	15	16¼	14	16¼	17 ½	–	–	–	
	S	–	–	–	–	–	–	–	–	–	–	–	
10	T	14¼	15¾	13½	15	16¼	14	16¼	17½	17½	–	–	
	F	15½	17	14¾	16¼	17½	15¼	17½	18¾	18¾	20	–	
	S	–	–	–	–	–	–	–	–	–	–	–	
12	T	15¼	16¾	14½	16	17¼	15	17¼	18½	18½	19¾	19½	–
	F	17	18¼	16¼	17¾	19	16¾	14	20¼	20¼	21½	21¼	29
	S	–	–	–	–	–	–	–	–	–	–	–	–

T – denotes threaded IPS pipe. F – denotes flanged fittings on pipe.  
S – denotes soldered or brazed tubing.



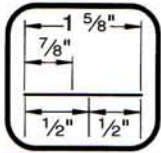
**ELECTRICAL METALLIC TUBING DATA**

Nom. Size EMT Conduit	OD Conduit	Conduit Wt. lbs./ft	Approx. Max Wt. (lbs.ft.) Conduit and Conductor Not Lead Covered
1/2	0.706	0.29	0.54
3/4	0.922	0.45	1.16
1	1.163	0.65	1.83
1 1/4	1.510	0.96	2.96
1 1/2	1.740	1.11	3.68
2	2.197	1.41	4.45
2 1/2	2.875	2.15	6.41
3	3.500	2.60	9.30
3 1/2	4.000	3.25	12.15
4	4.500	3.90	15.40

**APPLICATION ENGINEERING DATA – Conduit Spacings**

Spacings in inches between centers of conduits. The light face figures are the minimum dimensions to provide clearance between locknuts. The more liberal spacings printed in bold face type should be used whenever possible.

Size	Size												
	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	4 1/2"	5"	6"
1/2"	1 3/16 <b>1 3/8</b>	–	–	–	–	–	–	–	–	–	–	–	–
3/4"	1 5/16 <b>1 1/2</b>	1 7/16 <b>1 5/8</b>	–	–	–	–	–	–	–	–	–	–	–
1"	1 1/2 <b>1 3/4</b>	1 5/8 <b>1 7/8</b>	1 3/4 <b>2</b>	–	–	–	–	–	–	–	–	–	–
1 1/4"	1 3/4 <b>2</b>	1 7/8 <b>1 1/8</b>	2 <b>2 1/4</b>	2 1/4 <b>2 1/2</b>	–	–	–	–	–	–	–	–	–
1 1/2"	1 15/16 <b>2 1/8</b>	2 1/16 <b>2 1/4</b>	2 3/16 <b>2 3/8</b>	2 7/16 <b>2 5/8</b>	2 9/16 <b>2 3/4</b>	–	–	–	–	–	–	–	–
2"	2 3/16 <b>2 3/8</b>	2 5/16 <b>2 1/2</b>	2 1/2 <b>2 3/4</b>	2 3/4 <b>3</b>	2 7/8 <b>3 1/8</b>	3 1/8 <b>3 3/8</b>	–	–	–	–	–	–	–
2 1/2"	2 7/16 <b>2 5/8</b>	2 9/16 <b>2 3/4</b>	2 3/4 <b>3</b>	3 <b>3 1/4</b>	3 1/8 <b>3 3/8</b>	3 3/8 <b>3 5/8</b>	3 5/8 <b>4</b>	–	–	–	–	–	–
3"	2 13/16 <b>3</b>	2 15/16 <b>3 1/8</b>	3 1/16 <b>3 3/8</b>	3 5/16 <b>3 5/8</b>	3 7/16 <b>3 3/4</b>	3 3/4 <b>4</b>	4 <b>4 3/8</b>	4 5/16 <b>4 3/4</b>	–	–	–	–	–
3 1/2"	3 1/8 <b>3 3/8</b>	3 1/4 <b>3 1/2</b>	3 3/8 <b>3 5/8</b>	3 5/8 <b>3 7/8</b>	3 3/4 <b>4</b>	4 1/16 <b>4 3/8</b>	4 5/16 <b>4 5/8</b>	4 5/8 <b>5</b>	4 15/16 <b>5 3/8</b>	–	–	–	–
4"	3 7/16 <b>3 3/4</b>	3 9/16 <b>3 7/8</b>	3 11/16 <b>4</b>	3 15/16 <b>4 1/4</b>	4 1/16 <b>4 3/8</b>	4 3/8 <b>4 3/4</b>	4 5/8 <b>5</b>	4 15/16 <b>5 3/8</b>	5 1/4 <b>5 5/8</b>	5 9/16 <b>6</b>	–	–	–
4 1/2"	3 3/4 <b>4</b>	3 7/8 <b>4 1/8</b>	4 <b>4 1/4</b>	4 1/4 <b>4 1/2</b>	4 3/8 <b>4 3/4</b>	4 5/8 <b>5</b>	4 7/8 <b>5 1/4</b>	5 1/4 <b>5 5/8</b>	5 9/16 <b>6</b>	5 7/8 <b>6 1/4</b>	6 1/8 <b>6 1/2</b>	–	–
5"	4 1/8 <b>4 3/8</b>	4 1/4 <b>4 1/2</b>	4 3/8 <b>4 5/8</b>	4 5/8 <b>4 7/8</b>	4 3/4 <b>5</b>	5 <b>5 3/8</b>	5 1/4 <b>5 5/8</b>	5 9/16 <b>6</b>	5 7/8 <b>6 1/4</b>	6 3/16 <b>6 5/8</b>	6 1/2 <b>7</b>	6 13/16 <b>7 1/4</b>	–
6"	4 3/4 <b>5</b>	4 7/8 <b>5 1/8</b>	5 <b>5 1/4</b>	5 1/4 <b>5 1/2</b>	5 3/8 <b>5 5/8</b>	5 5/8 <b>6</b>	5 7/8 <b>6 1/4</b>	6 3/16 <b>6 5/8</b>	6 1/2 <b>7</b>	6 13/16 <b>7 1/4</b>	7 1/8 <b>7 5/8</b>	7 7/16 <b>8</b>	8 1/8 <b>8 5/8</b>



**STEEL RIGID CONDUIT DATA**

Nom. Size Rigid Conduit	OD Conduit	OD Coupling	Wt. Conduit W/C Pkg. lbs./ft	Approx. Max Wt. (lbs./ft.) Conduit and Conductor	
				Lead Covered	Not Lead Covered
1/2"	0.840	1.010	0.80	1.17	1.04
3/4"	1.050	1.250	1.09	1.75	1.40
1"	1.315	1.525	1.65	2.62	2.35
1 1/4"	1.660	1.869	2.15	4.31	3.58
1 1/2"	1.900	2.155	2.58	5.89	4.55
2"	2.375	2.650	3.52	8.53	7.21
2 1/2"	2.875	3.250	5.67	11.51	10.22
3"	3.500	3.870	7.14	16.51	14.51
3 1/2"	4.000	4.500	8.60	19.05	17.49
4"	4.500	4.875	10.00	24.75	21.48
5"	5.563	6.000	13.20	35.87	30.83
6"	6.625	7.200	17.85	50.69	43.43

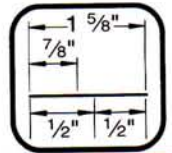
Maximum weight equals weight of rigid conduit plus weight of heaviest conductor combination as specified by the 1996 edition of the "National Electric Code Handbook."

**INTERMEDIATE METAL CONDUIT DATA**

Nom. Size Rigid Conduit	OD Conduit	OD Coupling	Weight Conduit W/C Pkg. lbs./ft	Approx. Max Wt. (lbs./ft.) Conduit and Conductor	
				Lead Covered	Not Lead Covered
1/2"	0.815	1.010	0.60	0.97	0.84
3/4"	1.029	1.250	0.82	1.48	1.13
1"	1.290	1.525	1.16	2.13	1.86
1 1/4"	1.638	1.869	1.50	3.66	2.93
1 1/2"	1.883	2.115	1.82	5.13	3.79
2"	2.360	2.650	2.42	7.43	6.11
2 1/2"	2.857	3.250	4.28	10.12	8.83
3"	3.476	3.870	5.26	14.63	12.63
3 1/2"	3.971	4.500	6.12	16.57	15.01
4"	4.466	4.875	6.82	21.57	18.30

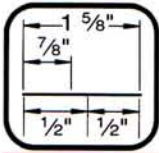
1 Cubic ft. of water weighs 62.35 lbs.

1 Gallon US weighs 8.335 lbs.



STEEL PIPE DATA – Schedule 40 & 80

Nominal Pipe Size	Sch. No.	O.D.	Wall Thick	Wt./Ft.	Wt. of Water/Ft
3/8"	40	0.675	0.091	0.567	0.083
	80		0.126	0.738	0.061
1/2"	40	0.840	0.109	0.850	0.132
	80		0.147	1.087	0.101
3/4"	40	1.050	0.133	1.130	0.230
	80		0.154	1.473	0.186
1"	40	1.315	0.133	1.678	0.374
	80		0.179	2.171	0.311
1 1/4"	40	1.660	0.140	2.272	0.647
	80		0.199	2.996	0.555
1 1/2"	40	1.900	0.145	2.717	0.882
	80		0.200	3.631	0.765
2"	40	2.375	0.154	3.652	1.452
	80		0.218	5.022	1.279
2 1/2"	40	2.875	0.203	5.790	2.072
	80		0.276	7.660	1.834
3"	40	3.500	0.216	7.570	3.200
	80		0.300	10.250	2.860
3 1/2"	40	4.000	0.226	9.110	4.280
	80		0.318	12.510	3.850
4"	40	4.500	0.237	10.790	5.510
	80		0.337	14.980	4.980
5"	40	5.563	0.258	14.620	8.660
	80		0.375	20.780	7.870
6"	40	6.625	0.280	18.970	12.510
	80		0.432	28.570	11.290
8"	40	8.625	0.322	28.550	21.600
	80		0.500	43.390	19.800
10"	40	10.750	0.365	40.480	34.100
	80		0.593	64.400	31.100
12"	40	12.750	0.406	53.600	48.500
	80		0.687	88.600	44.000
14"	40	14.000	0.437	63.000	58.500
	80		0.750	107.000	51.200
16"	40	16.000	0.500	83.000	76.500
	80		0.843	137.000	69.700
18"	40	18.000	0.563	105.000	97.200
	80		0.937	171.000	88.500
20"	40	20.000	0.593	123.000	120.400
	80		1.031	209.000	109.400
24"	40	24.000	0.687	171.000	174.200
	80		1.218	297.000	158.200
30"	20	30.000	0.500	158.000	286.000
36"	API	36.000	0.500	190.000	417.000



**COPPER TUBE DATA**

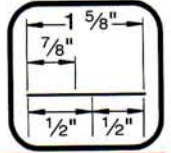
**Type L**

Tube Size	Nom. O.D. Tubing	O.D.	Wall Thick	Wt./Ft. Lbs.	Wt. of Water/Ft. Lbs.
1/4"	3/8"	0.375	0.030	0.126	0.034
3/8"	1/2"	0.500	0.035	0.198	0.062
1/2"	5/8"	0.625	0.040	0.285	0.100
5/8"	3/4"	0.750	0.042	0.362	0.151
3/4"	7/8"	0.875	0.045	0.455	0.209
1"	1 1/8"	1.125	0.050	0.655	0.357
1 1/4"	1 3/8"	1.375	0.055	0.884	0.546
1 1/2"	1 5/8"	1.625	0.060	1.140	0.767
2"	2 1/8"	2.125	0.070	1.750	1.341
2 1/2"	2 5/8"	2.625	0.080	2.480	2.064
3"	3 1/8"	3.125	0.090	3.330	2.949
3 1/2"	3 5/8"	3.625	0.100	4.290	3.989
4"	4 1/8"	4.125	0.110	5.380	5.188
5"	5 1/8"	5.125	0.125	7.610	8.081
6"	6 1/8"	6.125	0.140	10.200	11.616
8"	8 1/8"	8.125	0.200	19.290	20.289
10"	10 1/8"	10.125	0.250	30.100	31.590
12"	12 1/8"	12.125	0.280	40.400	45.426

**Type K**

Nom. Tube Size	O.D. Tubing	O.D.	Wall Thick	Wt./Ft. Lbs.	Wt. of Water/Ft. Lbs.
1/4"	3/8"	0.375	0.035	0.145	0.032
3/8"	1/2"	0.500	0.005	0.269	0.055
1/2"	5/8"	0.625	0.049	0.344	0.094
5/8"	3/4"	0.750	0.049	0.418	0.144
3/4"	7/8"	0.875	0.065	0.641	0.188
1"	1 1/8"	1.125	0.065	0.839	0.337
1 1/4"	1 3/8"	1.375	0.065	1.040	0.527
1 1/2"	1 5/8"	1.625	0.072	1.360	0.743
2"	2 1/8"	2.125	0.083	2.060	1.310
2 1/2"	2 5/8"	2.625	0.095	2.920	2.000
3"	3 1/8"	3.125	0.109	4.000	2.960
3 1/2"	3 5/8"	3.625	0.120	5.120	3.900
4"	4 1/8"	4.125	0.134	6.510	5.060
5"	5 1/8"	5.125	0.160	9.670	8.000
6"	6 1/8"	6.125	0.192	13.870	11.200
8"	8 1/8"	8.125	0.271	25.900	19.500
10"	10 1/8"	10.125	0.338	40.300	30.423
12"	12 1/8"	12.125	0.405	57.800	43.675





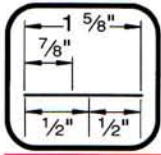
**SPACING OF HANGERS FOR COPPER TUBING**

Tubing Size	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6	8	10	12
Span in Ft.	6	8	8	10	10	10	12	12	12	12	12	14	14	18	19

**SPACING OF HANGERS FOR STEEL PIPE**

Nominal Pipe Size, Inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6	8	10	12	14	16	18	20	24
Maximum Span, Ft.*	5	6	7	7	9	10	11	12	13	14	16	17	19	2	23	25	27	28	30	32
Recommended Hanger Rod Sizes	3/8	3/8	3/8	3/8	3/8	3/8	1/2	1/2	1/2	5/8	5/8	3/4	7/8	7/8	7/8	1	1	1 1/4	1 1/2	or Trapeze

The above spacing and capacities are based on pipe filled with water.  
 Additional valves and fittings increase the load and therefore closer hanger spacing is required.  
 \* Many codes and specifications state "pipe hangers must be spaced every 10 ft., regardless of size".  
 Follow local specifications.



**PVC PLASTIC PIPE DATA – Schedule 40 & 80**

Nom. Tube Size	Schedule No.	O.D.	Wall Thick	Wt./Ft. Lbs.	Wt. of Water/Ft. Lbs.
1/8"	40	0.405	0.068	0.043	0.025
	80		0.095	0.055	0.016
1/4"	40	0.540	0.088	0.074	0.045
	80		0.119	0.094	0.031
3/8"	40	0.675	0.091	0.100	0.083
	80		0.126	0.129	0.061
1/2"	40	0.840	0.109	0.150	0.132
	80		0.147	0.150	0.101
3/4"	40	1.050	0.113	0.199	0.230
	80		0.154	0.259	0.186
1"	40	1.315	0.133	0.295	0.374
	80		0.179	0.382	0.311
1 1/4"	40	1.660	0.140	0.400	0.647
	80		0.191	0.527	0.555
1 1/2"	40	1.990	0.145	0.478	0.882
	80		0.200	0.639	0.765
2"	40	2.375	0.154	0.643	1.452
	80		0.218	0.884	1.279

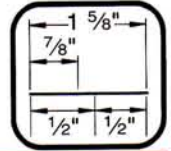
Nom. Tube Size	Schedule No.	O.D.	Wall Thick	Wt. of Wt./Ft. Lbs.	Water/Ft. Lbs.
2 1/2"	40	2.875	0.203	1.020	2.072
	80		0.276	1.350	1.834
3"	40	3.500	0.216	1.333	3.200
	80		0.300	1.804	2.860
3 1/2"	40	4.000	0.226	1.598	4.280
	80		0.318	2.195	3.850
4"	40	4.500	0.237	1.899	5.510
	80		0.337	2.636	4.980
5"	40	5.563	0.258	2.770	8.660
	80		0.375	4.126	7.870
6"	40	6.625	0.280	3.339	12.150
	80		0.432	5.028	11.290
8"	40	8.625	0.322	5.280	21.600
	80		0.500	8.023	19.800
10"	40	10.750	0.366	7.505	34.100
	80		0.593	11.894	31.100
12"	40	12.750	0.406	10.023	48.500
	80		0.687	16.365	44.000

**SPACING OF HANGERS FOR PVC PLASTIC PIPE**

Sch. 40 Pipe Size	Support Spacings in Feet at Temperatures Shown Above									
	20°F	40°F	60°F	80°F	100°F	110°F	120°F	130°F	140°F	150°F
1/2" – 3/4"	5.00	4.75	4.50	4.25	4.00	3.75	3.33	3.00	2.66	2.00
1" – 1 1/4"	5.50	5.25	5.00	4.66	4.33	4.00	3.75	3.33	2.80	2.25
1 1/2" – 2"	5.80	5.50	5.25	5.00	4.66	4.33	3.80	3.50	3.00	2.50
2 1/2"	6.66	6.33	6.00	5.50	5.25	4.80	4.50	4.00	3.50	2.80
3"	6.80	6.50	6.25	5.80	5.50	5.25	4.75	4.25	3.66	3.00
4"	7.33	7.00	6.50	6.25	5.80	5.50	5.00	4.50	3.80	3.25
6"	7.80	7.50	7.00	6.80	6.33	5.80	5.33	4.80	4.25	3.50

Sch. 40 Pipe Size	Support Spacings in Feet at Temperatures Shown Above									
	20°F	40°F	60°F	80°F	100°F	110°F	120°F	130°F	140°F	150°F
1/2" – 3/4"	5.75	5.50	5.25	4.80	4.50	4.33	3.80	3.50	3.00	2.50
1"	6.33	6.00	5.75	5.33	5.00	4.60	4.33	3.80	3.33	2.75
1 1/4" – 1 1/2"	6.66	6.33	6.00	5.66	5.25	4.80	4.50	4.00	3.50	3.00
2"	7.00	6.50	6.25	6.00	5.50	5.12	4.75	4.33	3.66	3.12
2 1/2"	7.80	7.50	7.00	6.66	6.33	5.80	5.33	4.75	4.25	3.33
3"	8.20	7.75	7.33	7.00	6.50	6.00	5.50	5.00	4.33	3.50
4"	8.66	8.25	7.80	7.33	6.80	6.33	5.80	5.25	4.66	3.75
6"	9.80	9.33	8.80	8.33	7.80	7.33	6.50	6.00	5.12	4.25

NOTE: Tables assume fluid loads up to 1.35 specific gravity (85 lb./cu. ft.), but not concentrated heavy loads.



**CAST IRON PIPE DATA**

Nom. Tube Size	Class	O.D.	Wall Thick	Wt./ Ft.	Wt. of Water Ft. Lbs.
3"	150	3.96	0.32	12.20	3.73
4"	150	4.80	0.35	16.40	5.72
6"	150	6.90	0.38	25.70	12.80
8"	150	9.05	0.41	36.70	23.10
10"	150	11.10	0.44	48.70	35.50
12"	150	13.20	0.48	62.90	51.00
14"	150	15.30	0.51	78.80	69.30
16"	150	17.40	0.54	95.00	90.30
18"	150	19.50	0.58	114.70	114.00
20"	150	21.60	0.62	135.90	141.50
24"	150	25.80	0.73	190.40	201.00
30"	150	32.00	0.85	277.30	312.00
36"	150	38.30	0.94	368.90	449.00
42"	150	44.50	1.05	479.10	612.00
48"	150	50.80	1.14	595.20	803.00

Mechanical Joint Pipe Class 150. Approximately same weight for Bell & Spigot. Flange cast iron pipe add weight of flanges.

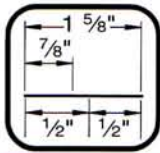
Nom. Pipe Size	O.D.	Wall Thick	Wt./Ft. Lbs.	Wt. of Water/Ft. lbs.
1½"	1.84	0.12	0.64	0.89
2"	2.34	0.14	0.94	1.45
3"	3.41	0.17	1.60	3.19
4"	4.53	0.20	2.60	5.79
6"	6.66	0.24	4.70	12.78
<b>Heavy Schedule</b>				
1"	1.31	0.16	0.60	0.35
1½"	1.84	0.17	0.87	0.76
2"	2.34	0.17	1.10	1.36
3"	3.41	0.20	2.00	3.06
4"	4.53	0.26	3.40	5.44
6"	6.66	0.33	6.30	12.42

Spacing of Hangers for glass pipe support every 8-10 ft. Pad all hangers. Use only clevis or trapeze, do not tie down pipe.

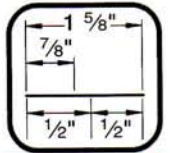
**LOAD CARRYING CAPACITIES OF THREADED HOT ROLLED STEEL ROD**

Nominal Rod Dia.	Root Area Sq. (In.)	Maximum Safe Load, Pounds	
		650°	750°
¼"	0.027	240	210
⅜"	0.068	610	540
½"	0.126	1,130	1,010
⅝"	0.202	1,810	1,610
¾"	0.302	2,710	2,420
⅞"	0.419	3,770	3,030
1"	0.552	4,960	4,420
1⅛"	0.693	6,230	5,560
1¼"	0.889	8,000	7,140
1½"	1.293	11,630	10,370
1¾"	1.744	15,700	14,000
2"	2.300	20,700	18,460
2¼"	3.023	27,200	24,260
2½"	3.719	33,500	29,880

# TABLE OF CONVERSIONS

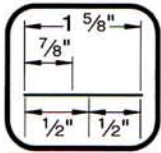


To Convert From	To	Multiply By	To Convert From	Multiply To	By
<b>Length</b>					
Inch [in]	Millimeter [mm]	25.400 000	Millimeter [mm]	Inch [in]	0.039 370
Foot [ft]	Meter [m]	0.304 800	Meter [m]	Foot [ft]	3.280 840
Yard [yd]	Meter [m]	0.914 400	Meter [m]	Yard [yd]	1.093 613
Mile (U.S. Statute) [mi]	Kilometer [km]	1.609 347	Kilometer [km]	Mile (U.S. Statute) [mi]	0.621 370
<b>Area</b>					
Square Inch [in <sup>2</sup> ]	Square Millimeter [mm <sup>2</sup> ]	645.16	Square Millimeter [mm <sup>2</sup> ]	Square Inch [in <sup>2</sup> ]	0.001550
Square Foot [ft <sup>2</sup> ]	Square Meter [m <sup>2</sup> ]	0.092 903	Square Meter [m <sup>2</sup> ]	Square Foot [ft <sup>2</sup> ]	10.763 915
Square Yard [yd <sup>2</sup> ]	Square Meter [m <sup>2</sup> ]	0.836 127	Square Meter [m <sup>2</sup> ]	Square Yard [yd <sup>2</sup> ]	1.195 991
Square Mile [mi <sup>2</sup> ] (U.S. Statute)	Square Kilometer [km <sup>2</sup> ]	2.589 998	Square Kilometer [km <sup>2</sup> ]	Square Mile [mi <sup>2</sup> ] (U.S. Statute)	0.386 101
Acre	Square Meter [m <sup>2</sup> ]	4046.873	Square Meter [m <sup>2</sup> ]	Acre	0.000 247
Acre	Hectare	0.404 687	Hectare	Acre	2.471 046
<b>Volume</b>					
Cubic Inch [in <sup>3</sup> ]	Cubic Millimeter [mm <sup>3</sup> ]	16387.06	Cubic Millimeter [mm <sup>3</sup> ]	Cubic Inch [in <sup>3</sup> ]	0.000061
Cubic Foot [ft <sup>3</sup> ]	Cubic Meter [m <sup>3</sup> ]	0.028 317	Cubic Meter [m <sup>3</sup> ]	Cubic Foot [ft <sup>3</sup> ]	35.314 662
Cubic Yard [yd <sup>3</sup> ]	Cubic Meter [m <sup>3</sup> ]	0.764 555	Cubic Meter [m <sup>3</sup> ]	Cubic Yard [yd <sup>3</sup> ]	1.307 950
Gallon (U.S. Liquid) [gal]	Litre [l]	3.785 412	Litre [l]	Gallon (U.S. Liquid) [gal]	0.264 172
Quart (U.S. Liquid) [qt]	Litre [l]	0.946 353	Litre [l]	Quart (U.S. Liquid) [qt]	1.056 688
<b>Mass</b>					
Ounce (Avoirdupois) [oz]	Gram [g]	28.349 520	Gram [g]	Ounce (Avoirdupois) [oz]	0.035 274
Pound (Avoirdupois) [lb]	Kilogram [kg]	0.453 592	Kilogram [kg]	Pound (Avoirdupois) [lb]	2.204 624
Short Ton	Kilogram [kg]	907.185	Kilogram [kg]	Short Ton	0.00110
<b>Force</b>					
Ounce-Force	Newton [N]	0.278 014	Newton [N]	Ounce-Force	3.596 941
Pound-Force [lbf]	Newton [N]	4.448 222	Newton [N]	Pound-Force [lbf]	0.224 809
<b>Bending Moment</b>					
Pound-Force-Inch [lbf-in]	Newton-Meter [N-m]	0.112 985	Newton-Meter [N-m]	Pound-Force-Inch [lbf-in]	8.850 732
Pound-Force-Foot [lbf-ft]	Newton-Meter [N-m]	1.355 818	Newton-Meter [N-m]	Pound-Force-Foot [lbf-ft]	0.737 562
<b>Pressure, Stress</b>					
Pound-Force per Square Inch [lbf/in <sup>2</sup> ]	Kilopascal [kPa]	6.894 757	Kilopascal [kPa]	Pound-Force per Square Inch [lbf/in <sup>2</sup> ]	0.145 038
Foot of Water (39.2 F)	Kilopascal [kPa]	2.988 980	Kilopascal [kPa]	Foot of Water (39.2 F)	0.334 562
Inch of Mercury (32 F)	Kilopascal [kPa]	3.386 380	Kilopascal [kPa]	Inch of Mercury (32 F)	0.295 301
<b>Energy, Work, Heat</b>					
Foot-Pound-Force [ft-lbf]	Joule [J]	1.355 818	Joule [J]	Foot-Pound-Force [ft-lbf]	0.737 562
British Thermal Unit [Btu]	Joule [J]	1055.056	Joule [J]	British Thermal Unit [Btu]	0.000948
Calorie [cal]	Joule [J]	4.186 800	Joule [J]	Calorie [cal]	0.238 846
Kilowatt Hour [kW-h]	Joule [J]	3600000	Joule [J]	Kilowatt Hour [kW-h]	2.78 <sup>-7</sup>
<b>Power</b>					
Foot-Pound-Force /Second [ft-lbs/s]	Watt [W]	1.355 818	Watt [W]	Foot-Pound-Force /Second [ft-lbs/s]	0.737 562
British Thermal Unit /Hour [Btu/h]	Watt [W]	0.293 071	Watt [W]	British Thermal Unit /Hour [Btu/h]	3.412 142
Horsepower (550 Ft. Lbf/s) [hp]	Kilowatt [kW]	0.745 700	Kilowatt [kW]	Horsepower (550 Ft. Lbf/s) [hp]	1.341 022
<b>Angle</b>					
Degree	Radian [rad]	0.017 453	Radian [rad]	Degree	57.295 788
<b>Temperature</b>					
Degree Fahrenheit [F]	Degree Celsius [C]	(F° - 32)/1.8	Degree Celsius [C]	Degree Fahrenheit [F]	1.8xC° + 32



	1/64	0.015625		33/64	0.515625
	1/32	0.03125		17/32	0.53125
	3/64	0.046875		35/64	0.546875
1/16		0.0625	9/16		0.5625
	5/64	0.078125		37/64	0.578125
	3/32	0.09375		19/32	0.59375
	7/64	0.109375		39/64	0.609375
1/8		0.125	5/8		0.625
	9/64	0.140625		41/64	0.640625
	5/32	0.15625		21/32	0.65625
	11/64	0.171875		43/64	0.671875
3/16		0.1875	11/16		0.6875
	13/64	0.203125		45/64	0.703125
	7/32	0.21875		23/32	0.71875
	15/64	0.234375		47/64	0.734375
1/4		0.25	3/4		0.75
	17/64	0.265625		49/64	0.765625
	9/32	0.28125		25/32	0.78125
	19/64	0.296875		51/64	0.796875
5/16		0.3125	13/16		0.8125
	21/64	0.328125		53/64	0.828125
	11/32	0.34375		27/32	0.84375
	23/64	0.359375		55/64	0.859375
3/8		0.375	7/8		0.875
	25/64	0.390625		57/64	0.890625
	13/32	0.40625		29/32	0.90625
	27/64	0.421875		59/64	0.921875
7/16		0.4375	15/16		0.9375
	29/64	0.453125		61/64	0.953125
	15/32	0.46875		31/32	0.96875
	31/64	0.484375		63/64	0.984375
1/2		0.5	1		1.

# GENERAL APPLICATIONS

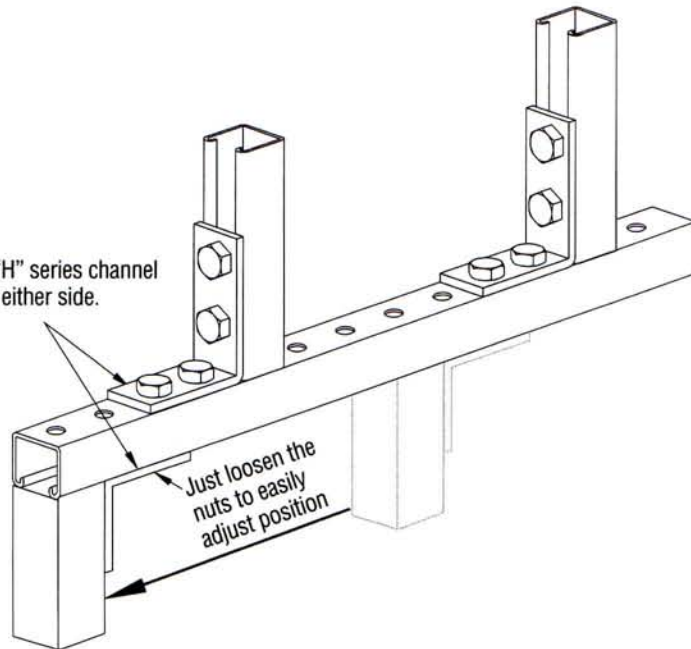


Supports

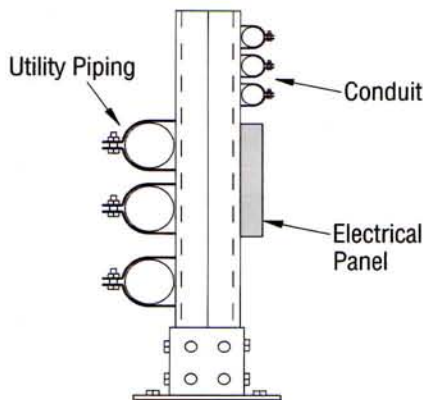


## STANDARD CHANNEL AND FITTING ASSEMBLY

The factory punched holes in "H" series channel allow fittings to be attached to either side.

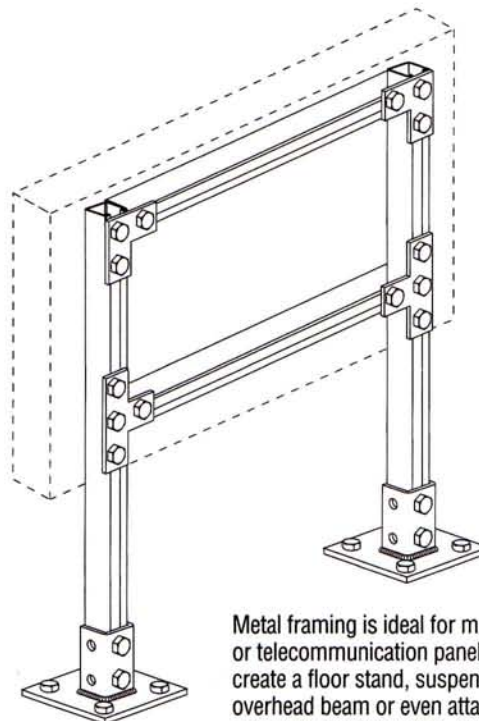


## FLOOR MOUNTED STAND

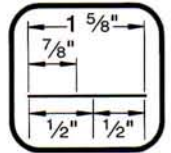


Island stands allow you to mount equipment or piping on both sides in trenches and in service isles.

## ELECTRICAL PANEL SUPPORTS

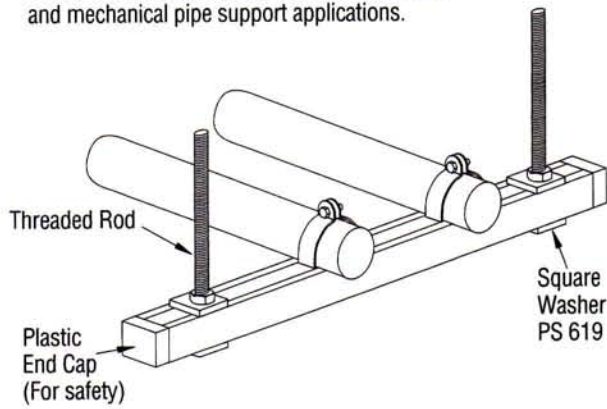


Metal framing is ideal for mounting electrical or telecommunication panels. It allows you to create a floor stand, suspend panels from an overhead beam or even attach panels to adjacent structural steel. Bracing may be added for heavier load requirements.

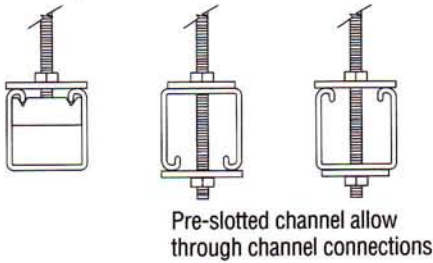


**TRAPEZE SUPPORT SYSTEM**

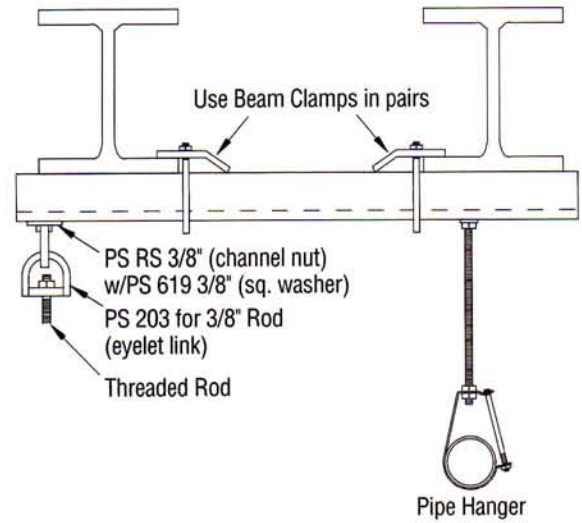
Power-Strut metal framing is ideal for electrical and mechanical pipe support applications.



Acceptable Methods to Hang Channels

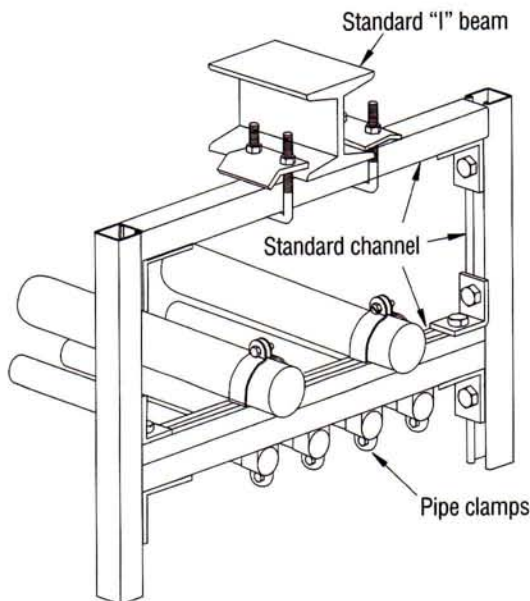


**SUPPORTS FOR THREADED ROD ATTACHMENTS BETWEEN BEAMS**

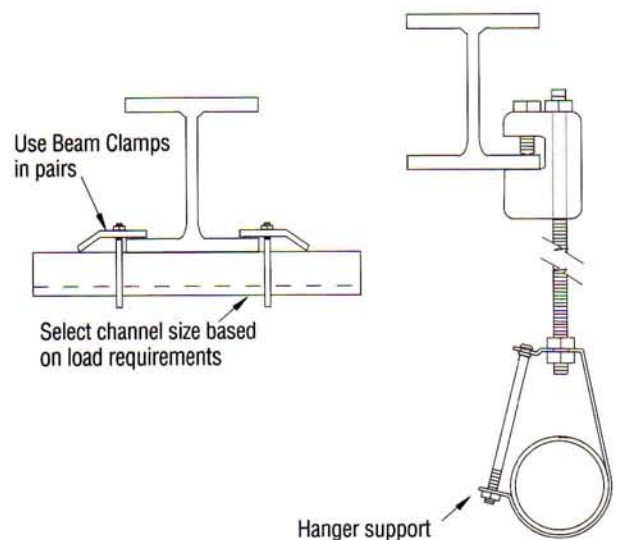


Select channel size based on load requirements

**GANGED PIPE SUPPORT**

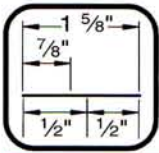


**SUPPORTS FOR THREADED ROD ATTACHMENTS TO SINGLE BEAMS**

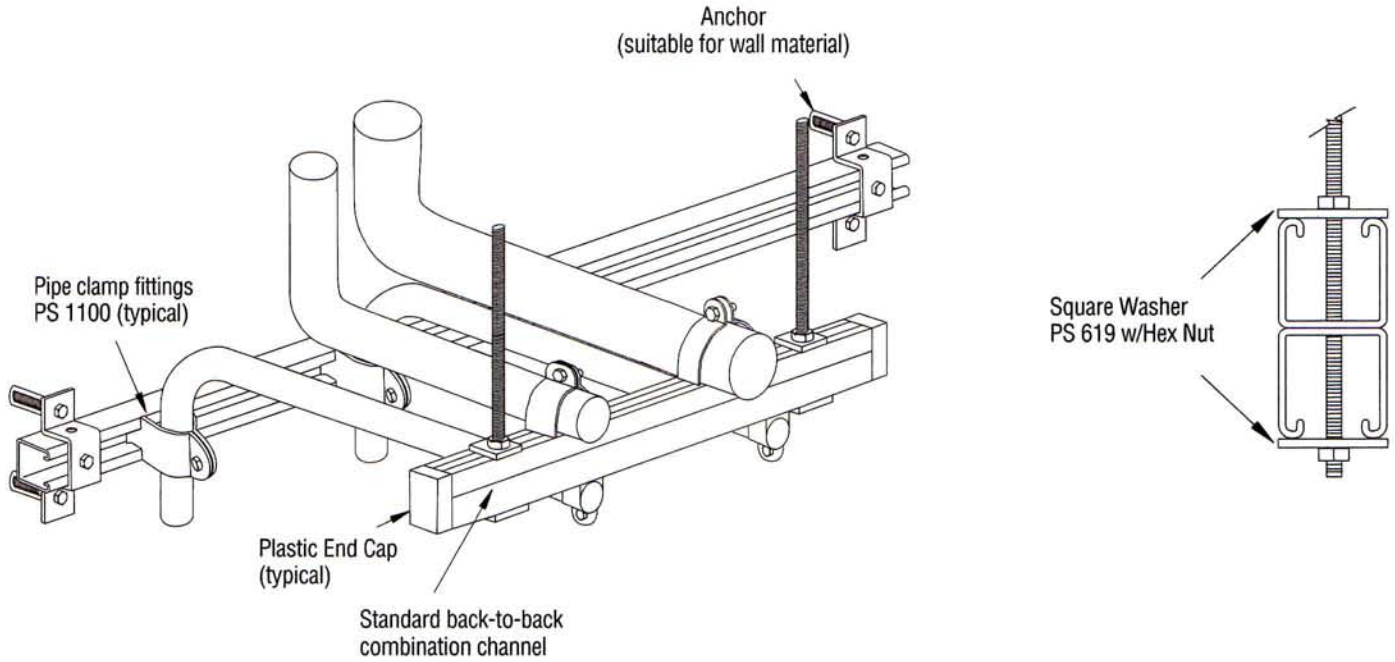


# GENERAL APPLICATIONS

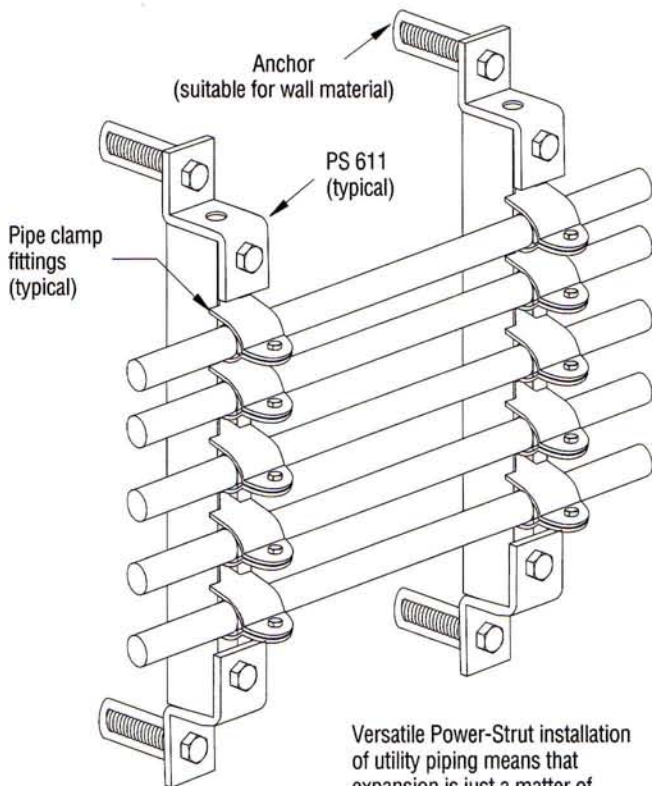
Overhead & Wall Supports



## OVERHEAD SUPPORT VERTICAL TO HORIZONTAL

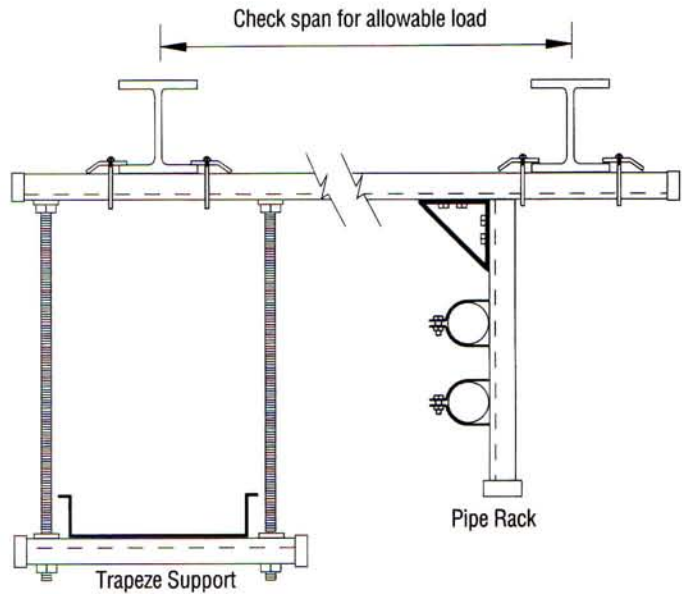


## WALL MOUNT ORGANIZE & CONTROL

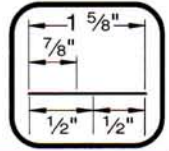


Versatile Power-Strut installation of utility piping means that expansion is just a matter of inserting another pipe clamp!

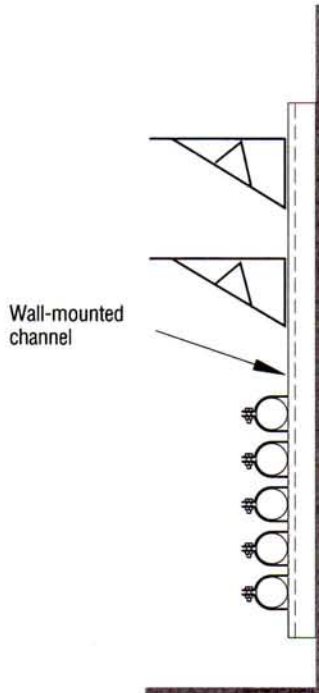
## OVERHEAD MULTI-USE SUPPORT SYSTEMS USING CHANNEL ATTACHED TO "I" BEAMS



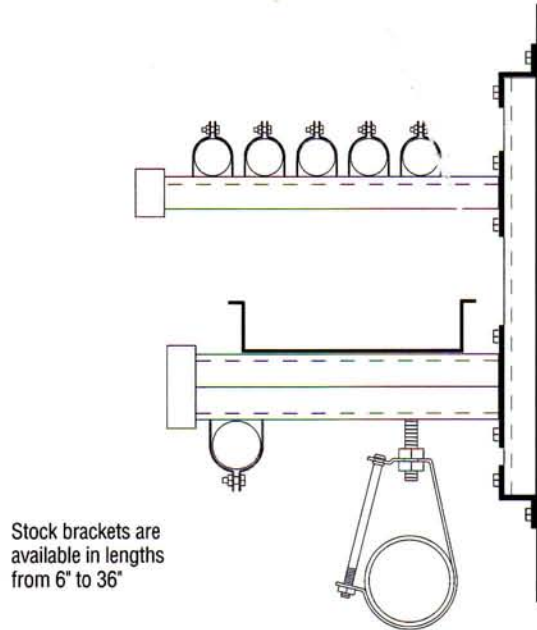




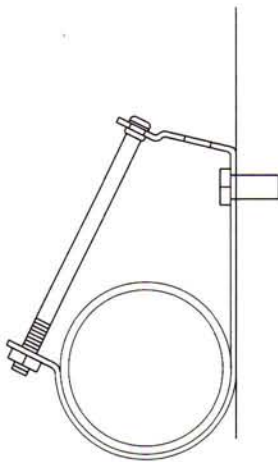
**MULTI-SHELF OR UTILITY SUPPORT**



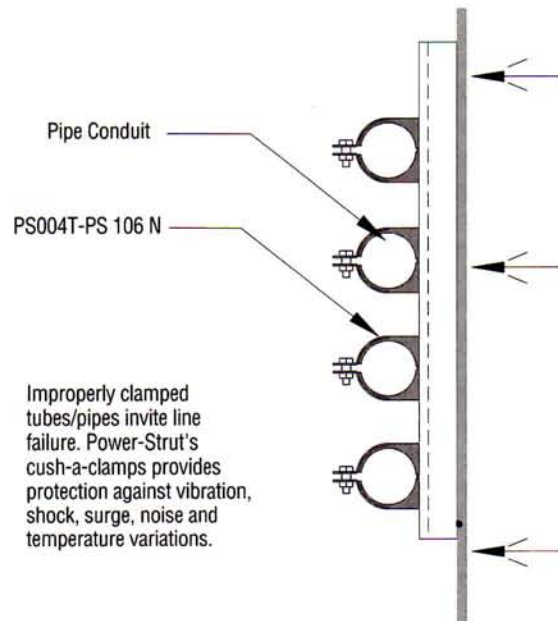
**WALL MOUNTED BRACKETS**



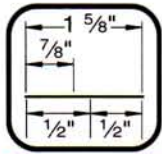
**WALL-MOUNTED SINGLE LINES**



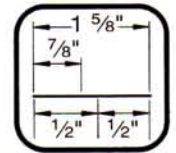
**CUSH-A- CLAMPS®**



Improperly clamped tubes/pipes invite line failure. Power-Strut's cush-a-clamps provides protection against vibration, shock, surge, noise and temperature variations.



PA 158 .....	140	PS 210 2T3 .....	26	PS 618 .....	52	PS 710 .....	66
PA 238 .....	140	PS 210 EH .....	24	PS 619 .....	52	PS 711 .....	64
PA 318 .....	140	PS 210 H .....	24	PS 620 .....	53	PS 712 .....	54
PA 1GP .....	140	PS 210 KO6 .....	24	PS 621 .....	53	PS 713 .....	59
PA 1HDC .....	140	PS 210 S .....	24	PS 622 .....	60	PS 714 .....	54
PA 1RC .....	140	PS 210 .....	24	PS 624 .....	61	PS 715 .....	59
PA 1RP .....	140	PS 211 .....	47	PS 626 .....	88	PS 716 R or L .....	59
PA 1SC .....	140	PS 230 .....	47	PS 629 .....	70	PS 718 .....	53
PA 1SNB .....	140	PS 270 .....	86	PS 631 .....	69	PS 719 .....	53
PS 004M-038 M .....	85	PS 285 .....	127	PS 633 .....	61	PS 720 R or L .....	59
PS 004T-106N .....	84	PS 285N .....	127	PS 644 .....	69	PS 721 .....	67
PS 51 .....	83	PS 300 2T3 .....	29	PS 645 .....	69	PS 722 .....	121
PS 52 E .....	86	PS 300 EH .....	27	PS 646 .....	69	PS 723 .....	120
PS 67 .....	83	PS 300 H .....	27	PS 647 .....	65	PS 732 .....	89
PS 69 .....	83	PS 300 KO6 .....	27	PS 649 .....	116	PS 733 .....	67
PS 83 .....	47	PS 300 S .....	27	PS 651 .....	88	PS 734 .....	68
PS 85 .....	103	PS 300 .....	27	PS 653 .....	126	PS 735 .....	68
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PS 95 .....	103	PS 400 H .....	30	PS 658 .....	112	PS 746 .....	60
PS 100 2T3 .....	12	PS 400 KO6 .....	30	PS 659 .....	112	PS 747 .....	55
PS 100 EH .....	10	PS 400 S .....	30	PS 660 .....	58	PS 748 .....	60
PS 100 H .....	10	PS 400 .....	30	PS 661 T1 .....	88	PS 750 .....	54
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