



POWER-STRUT®

ENGINEERING CATALOG

- Channels & Closure Strips
- Fittings & Accessories
- Nuts & Hardware
- Electrical Raceway Components
- Cush-A-Clamps®
- Concrete Inserts
- Power-Angle™



The Power to Build!

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.



CHANNEL



CLAMPING NUT



CONNECTION FITTING



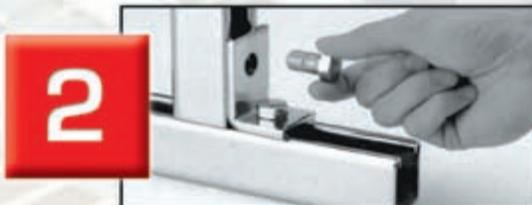
BOLT

The POWER-STRUT Connection, Easy as 1 - 2 - 3...



1

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.



2

The Power-Strut fitting provides the connection of channels.



3

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 Backed



■ 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, pregalvanized, 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.



■ Mechanical Systems That Reduce Costs

For mechanical support of HVAC, plumbing and fire protection systems,



by a Leading Reputation for Quality and Service.

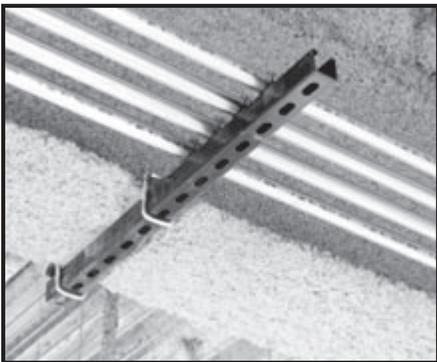


the versatility of metal framing systems is unmatched. It is by far the most popular framing system with contractors because the wide variety of fittings and support devices available help solve virtually any support problem without expensive welding.

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.

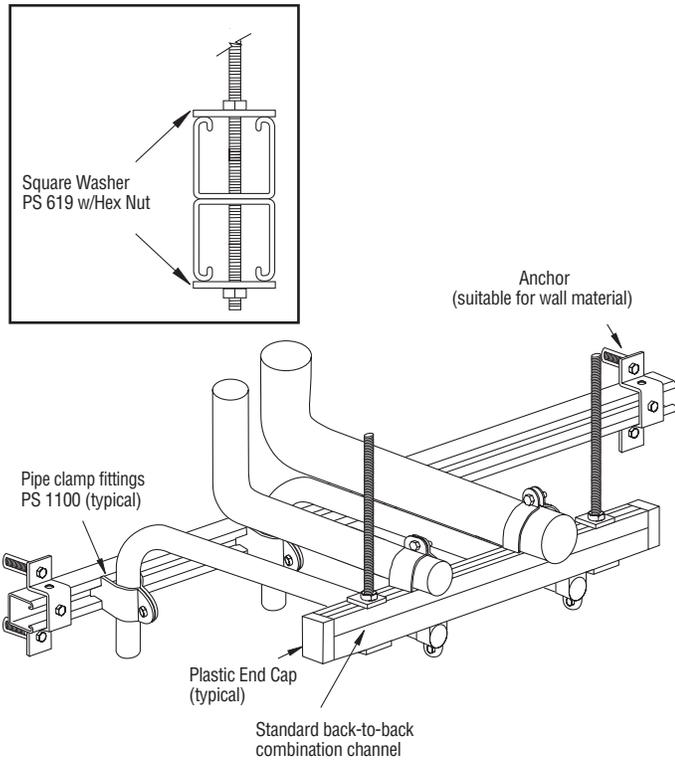
The complete line of products and leading reputation for quality and service make Power-Strut your practical choice for metal framing. Contact your local Power-Strut representative for additional information.



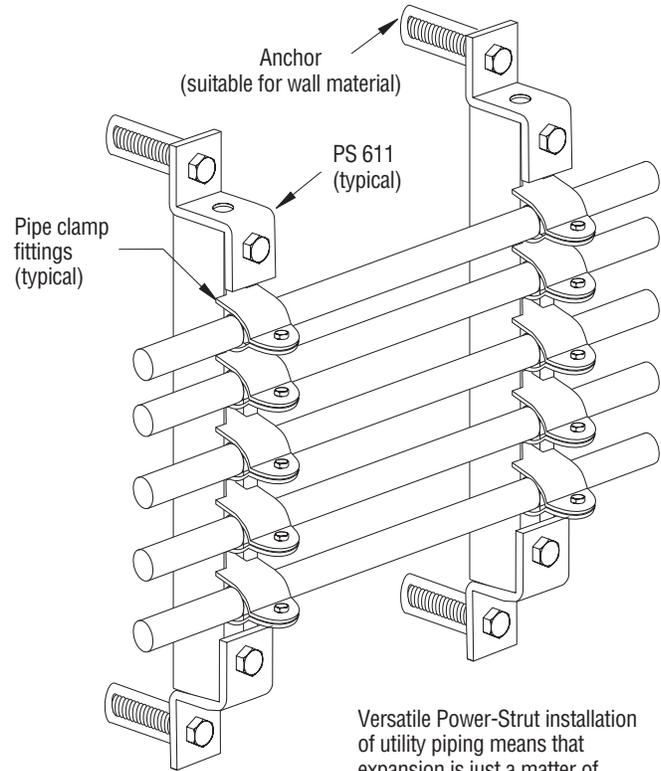


EXAMPLE APPLICATIONS

Overhead Support Vertical to Horizontal



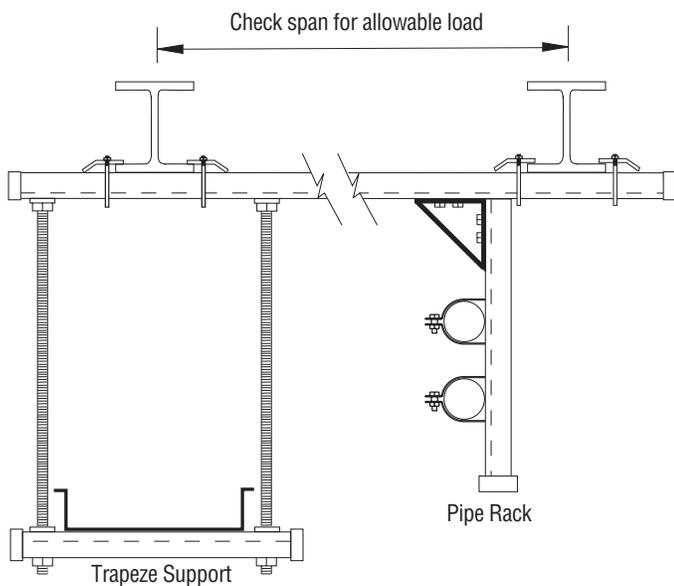
Shelf or Utility Support



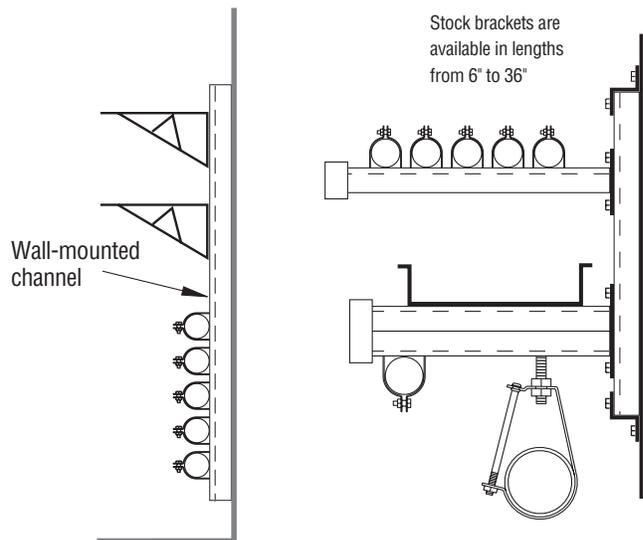
Versatile Power-Strut installation of utility piping means that expansion is just a matter of inserting another pipe clamp!

Overhead Multi-Use Support Systems Using Channel Attached to "I" Beams

Wall Mount Organize & Control Multi-

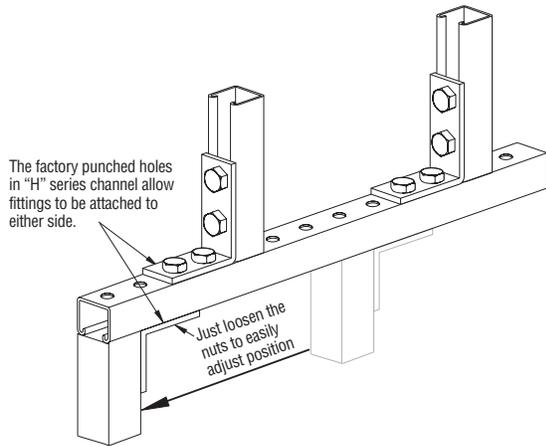


Wall Mounted Brackets

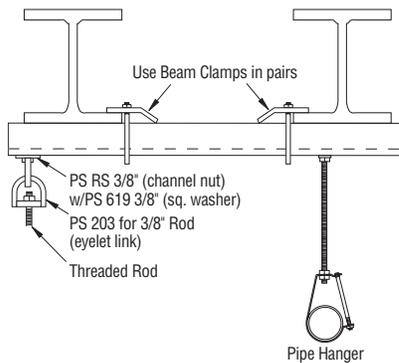




Standard Channel and Fitting Assembly

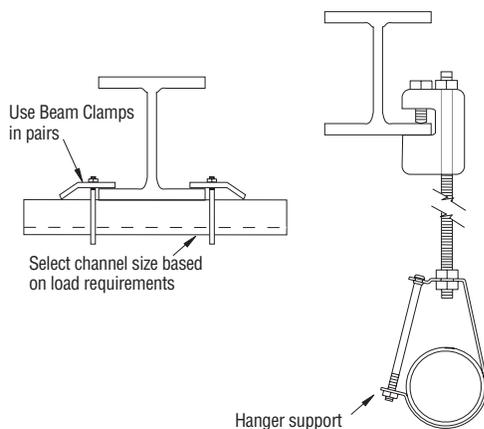


Supports for Threaded Rod Attachments Between Beams



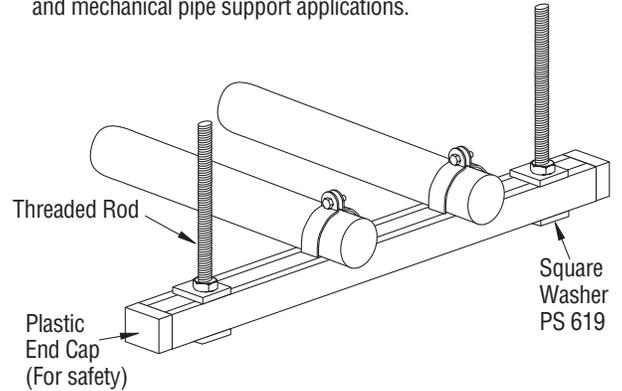
Select channel size based on load requirements

Supports for Threaded Rod Attachments to Single Beams

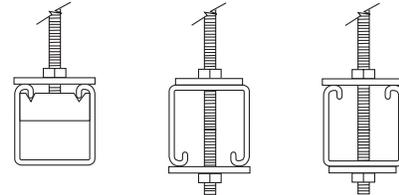


Trapeze Support System

Power-Strut metal framing is ideal for electrical and mechanical pipe support applications.

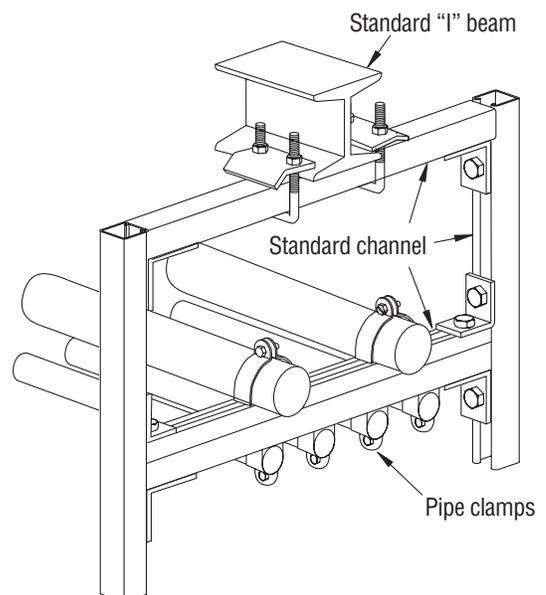


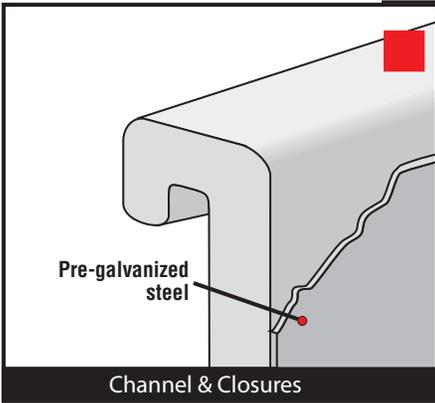
Acceptable Methods to Hang Channels



Pre-slotted channel allow through channel connections

Ganged Pipe Support

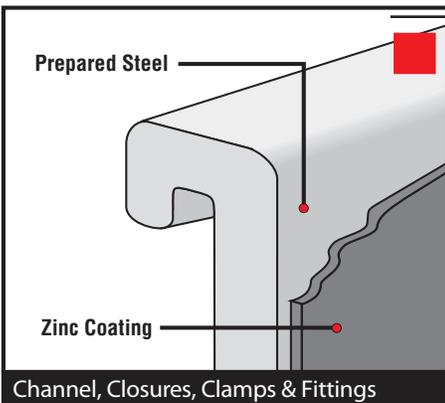




PREGALVANIZED (PG)

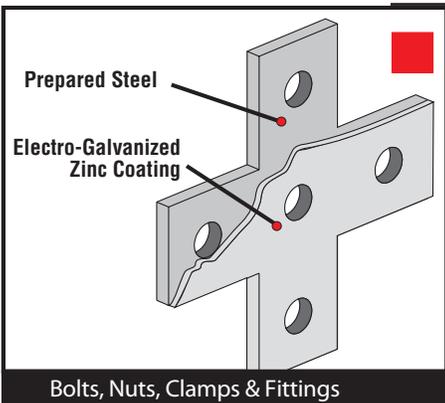
Material (steel strip) is coated with zinc by hot-dip process prior to roll-forming or press operations.

The zinc coating conforms to ASTM A-653, Grade 90 General Requirement for Steel Sheet, Zinc-Coated (Galvanized) by Hot Dip Process.



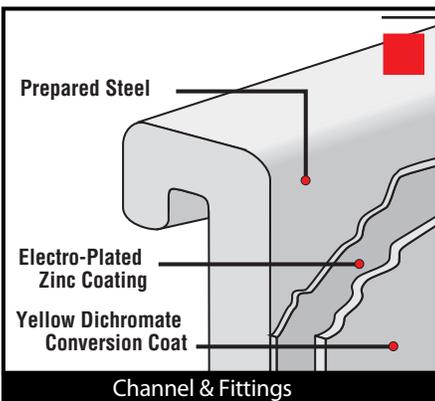
HOT-DIPPED GALVANIZED (HG)

Material is coated with zinc after being roll-formed or after all manufacturing operations are completed, conforming to ASTM specification No. A123 or A153.



ELECTRO-GALVANIZED (EG)

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



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 non-porous barrier sealant.

ZINC COATING

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

- electroplated (EG)
- pregalvanized (PG)
- hot dip galvanized (HG)
- yellow dichromate (ZD)

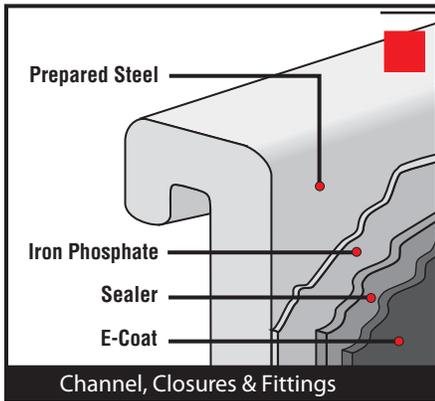
Zinc coatings offer two types of protection:

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.

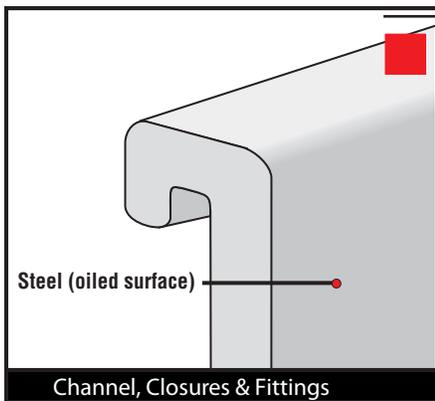
COMPARISON OF ZINC GALVANIZED FINISHES

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



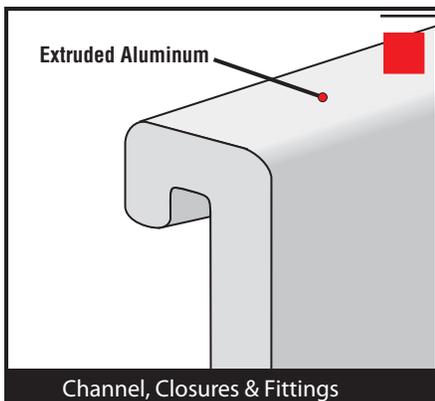
POWER-GREEN® (GR)

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.



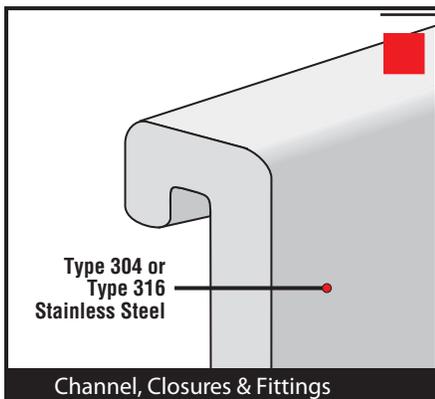
PLAIN (PL)

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.



ALUMINUM (AL)

Channel is extruded aluminum in accordance with ASTM B221 Type 6063-T6.



STAINLESS STEEL (SS)

Material in accordance with ASTM A 240 (Type 304 or type 316).

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 weath-
erometer G-23 test.

Checking: None at 1,000 hrs per weath-
erometer G-23 test.

Fade: Less than 50% compared to stan-
dard epoxy E.C. coatings.

ENVIRONMENTAL ISSUES

Formulated as a "heavy metal"-free coat-
ing (trace elements only).

Outgassing in service: essentially none
at 350°F for 24 hrs.



MATERIALS:

Channel* & Closures – Pregalvanized

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

Channel* – Plain, Painted or Hot Dip Galvanized

ASTM A-1011 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 A1008, 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-1011SS 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

FINISHES (Ordering):

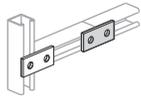
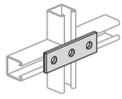
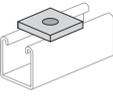
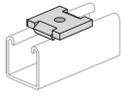
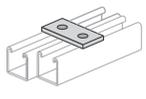
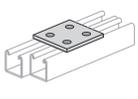
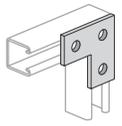
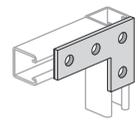
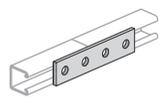
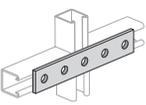
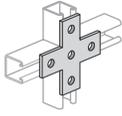
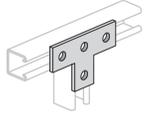
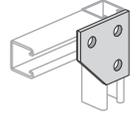
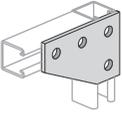
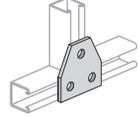
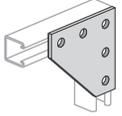
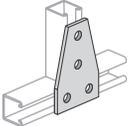
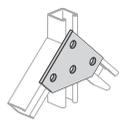
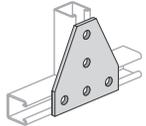
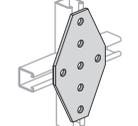
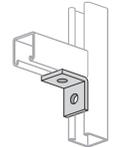
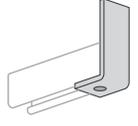
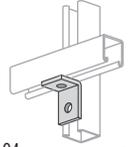
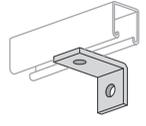
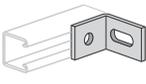
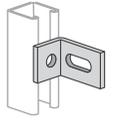
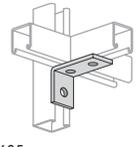
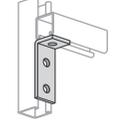
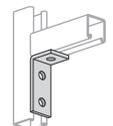
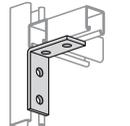
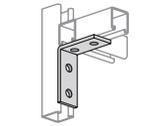
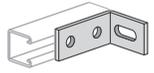
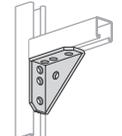
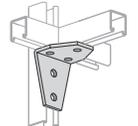
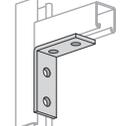
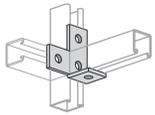
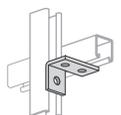
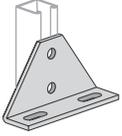
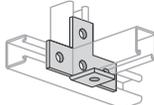
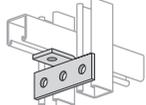
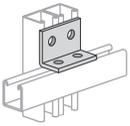
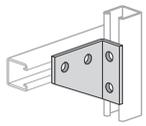
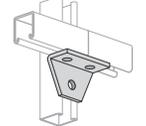
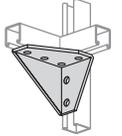
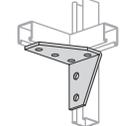
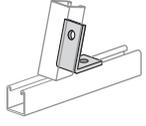
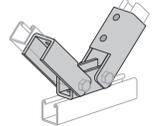
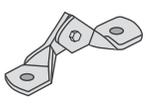
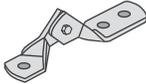
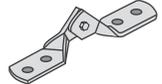
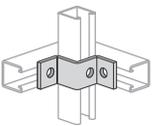
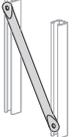
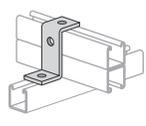
When ordering, add the finish to the part number.

Examples: PS 200-10 PG
PS 200-10 ZD
PS 200-10 GR
PS 200-10 HG

* 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.

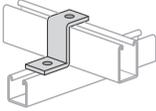
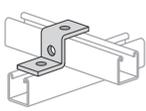
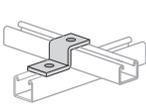
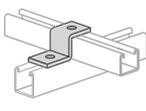
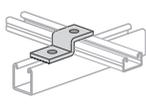
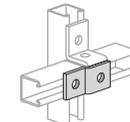
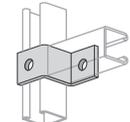
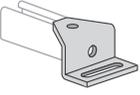
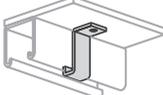
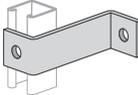
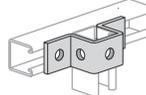
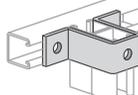
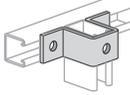
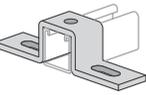
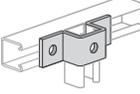
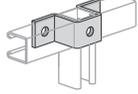
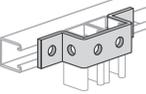
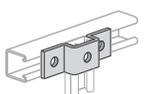
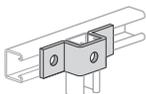
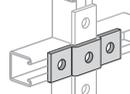
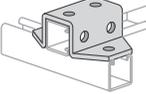
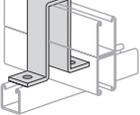
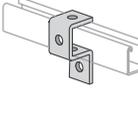
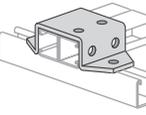
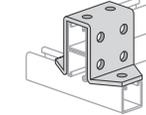
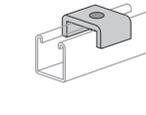
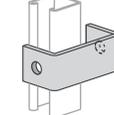
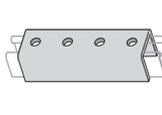
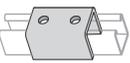
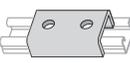
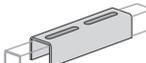
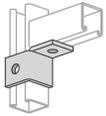
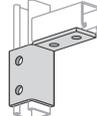
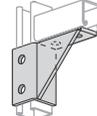
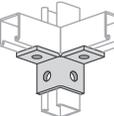
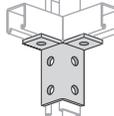
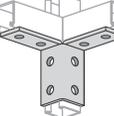
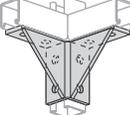
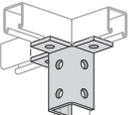
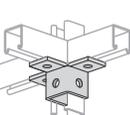
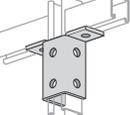
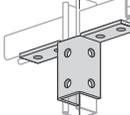
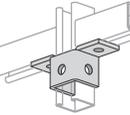
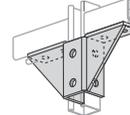
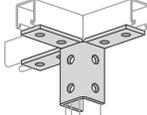
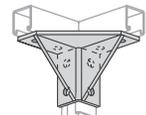
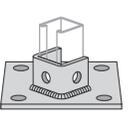
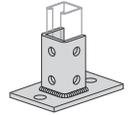
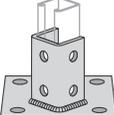
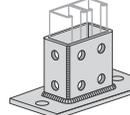
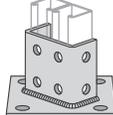
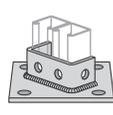
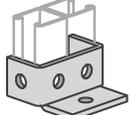
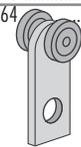
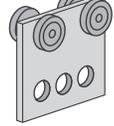
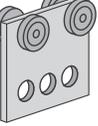
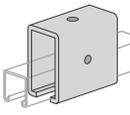
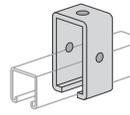
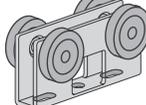
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1 1/2" x 3 1/4" x 12Ga. PS 200 2T3p.30	1 1/2" x 3 1/4" x 12Ga. PS 200 2T2p.31	1 1/2" x 3 1/4" x 12Ga. PS 200 2T4p.31	1 1/2" x 3 1/4" x 12Ga. PS 200 2T5p.31	3 1/4" x 3 1/4" x 12Ga. PS 200 3T6p.31	1 1/2" x 1 5/8" x 12Ga. w/Plate PS 200 PLAp.34	1 1/2" x 1 5/8" x 12Ga. w/Plate PS 200 PLBp.34
1 1/2" x 4 7/8" x 12Ga. PS 200 PLCp.34	1 1/2" x 1 5/8" x 14Ga. PS 210p.36	1 1/2" x 3 1/4" x 14Ga. PS 210 2T3p.38	1 1/2" x 1 3/8" x 12Ga. PS 300p.39	1 1/2" x 2 3/4" x 12Ga. PS 300 2T3p.41	1 1/2" x 1" x 12Ga. PS 400p.42	1 1/2" x 2" x 12Ga. PS 400 2T3p.44
1 1/2" x 1 3/16" x 14Ga. PS 500p.45	1 1/2" x 1 5/8" x 14Ga. PS 500 2T3p.47	1 1/2" x 1 3/16" x 12Ga. PS 520p.48	1 1/2" x 1 5/8" x 12Ga. PS 520 2T3p.50	1 1/2" x 1 3/16" x 16Ga. PS 560p.51	1 1/2" x 1 5/8" x 16Ga. PS 560 2T3p.53	PS 6152p.54
PS 6153p.54	PS 3792p.54	PS 9050p.54				
<h2 style="background-color: red; color: white; padding: 5px;">Fasteners</h2>						
		PS 6024p.57	PS 6072p.57	PS 6075p.57	PS 6108p.58	
PS 6112p.57	PS 83p.58	PS 209p.58	PS 230p.58	PS 211p.58	PS 3500p.58	PS 146p.58
PS 6064p.58	PS 135p.58	PS LSp.59	PS RSp.59	PS SSp.59	PS 517p.59	PS NSp.59
PS NS Sp.59	PS TGp.60	PS 3281p.60	PS 202p.60	PS 203p.60	PS 204p.60	PS 205p.60

Fittings

						
			PS 601p.62	PS 602p.62	PS 617p.62	PS 618p.62
						
PS 619p.62	PS 2504p.62	PS 620p.63	PS 621p.63	PS 718p.63	PS 719p.63	PS 888p.63
						
PS 889p.63	PS 712p.64	PS 714p.64	PS 744p.64	PS 750p.64	PS 925p.64	PS 2190p.64
						
PS 747p.65	PS 822p.65	PS 854p.65	PS 2112p.65	PS 603p.65	PS 921p.65	PS 763p.66
						
PS 764p.66	PS 604p.66	PS 2144p.66	PS 806p.66	PS 2520p.66	PS 605p.67	PS 606p.67
						
PS 745p.67	PS 2545p.67	PS 607p.67	PS 3049p.67	PS 3373p.68	PS 614p.68	PS 615p.68
						
PS 716 R or Lp.68	PS 720 R or Lp.68	PS 660p.68	PS 927p.69	PS 689 Ap.69	PS 713p.69	PS 715p.69
						
PS 622p.69	PS 752 R or Lp.69	PS 746p.70	PS 748p.70	PS 3326p.70	PS 2007 R or Lp.70	PS 633p.70
						
PS 624p.70	PS 781p.71	PS 793p.71	PS 2113p.71	PS 9400p.71	PS 9401p.71	PS 9402p.72
						
PS 9403p.72	PS 9404p.72	PS 926p.72	PS 2054p.72	PS 810p.73	PS 812p.73	PS 756p.73

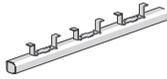
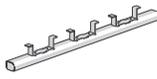
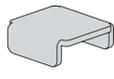
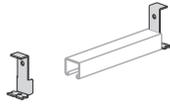
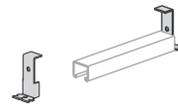
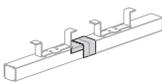
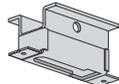
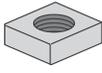
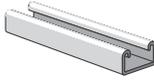
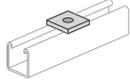
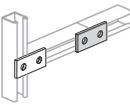
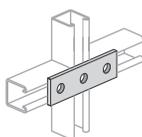
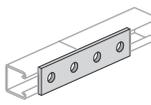
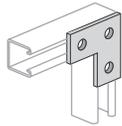
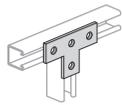
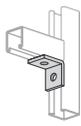
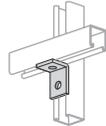
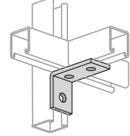
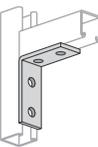
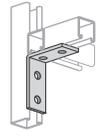
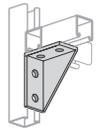
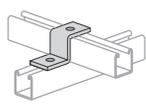
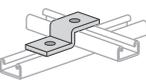
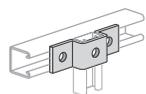
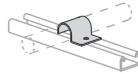
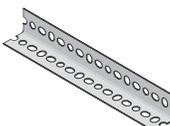
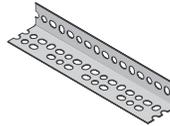
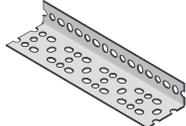
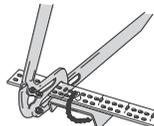
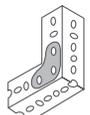
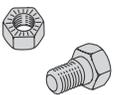
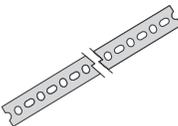
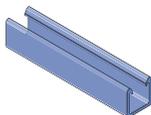
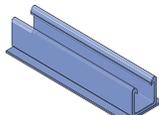
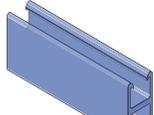
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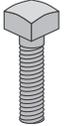
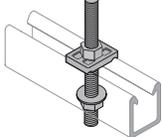
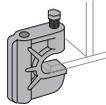
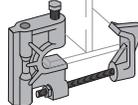
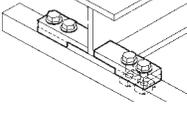
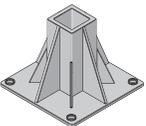
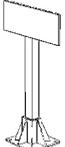
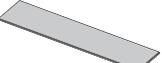
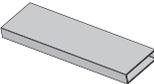
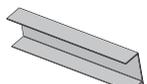
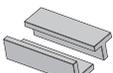
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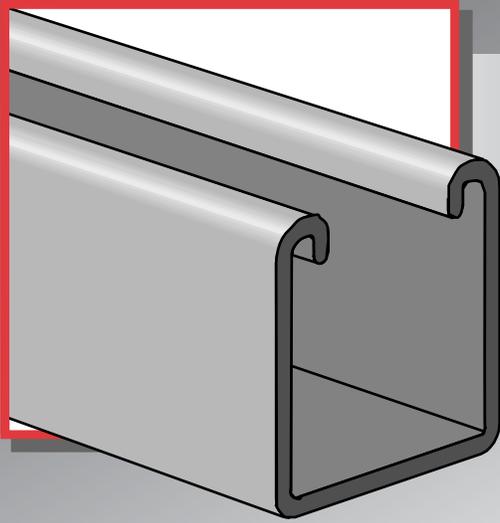
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CHANNEL

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-3.

■ MATERIALS:

Plain and painted green channels are formed from structural quality strip steel which conforms to the requirements of ASTM A-1011 SS Grade 33. Pre-galvanized channel conforms to the requirements of ASTM A-653 Grade 33.

■ STANDARD LENGTHS:

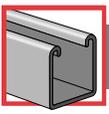
Stock lengths are 10 and 20 feet. Special lengths are available upon request.

■ STANDARD FINISHES:

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

■ ORDERING INFORMATION:

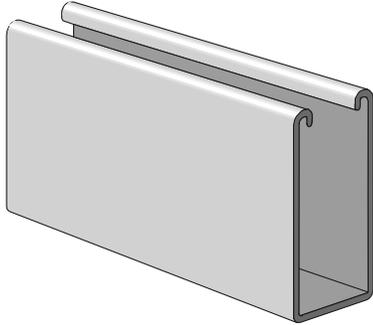
When ordering, add the length or size and finish to the part number. See page 8 - 10 for finish abbreviations and an example.



CHANNEL

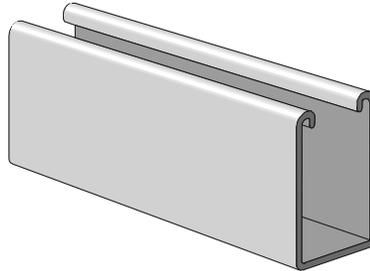
■ **PS 100** 1⁵/₈" x 3¹/₄" x 12 ga.

See Pages 22-24



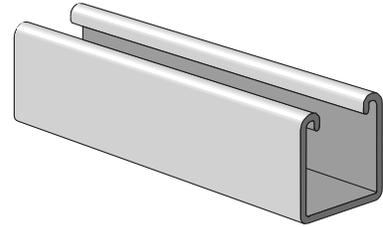
■ **PS 150** 1⁵/₈" x 2⁷/₁₆" x 12 ga.

See Pages 25-27



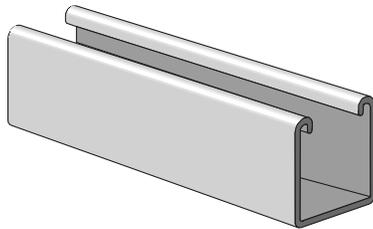
■ **PS 200** 1⁵/₈" x 1⁵/₈" x 12 ga.

See Pages 28-35



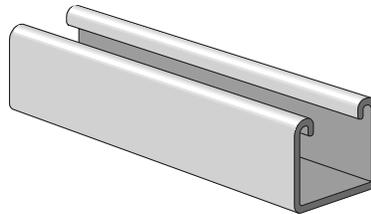
■ **PS 210** 1⁵/₈" x 1⁵/₈" x 14 ga.

See Pages 36-38



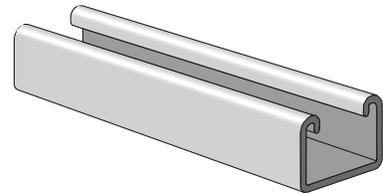
■ **PS 300** 1⁵/₈" x 1³/₈" x 12 ga.

See Pages 39-41



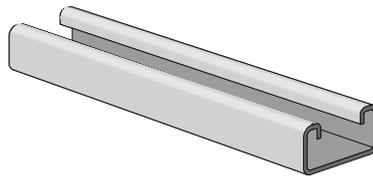
■ **PS 400** 1⁵/₈" x 1" x 12 ga.

See Pages 42-44



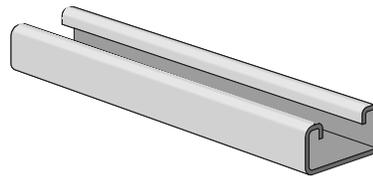
■ **PS 500** 1⁵/₈" x 1³/₁₆" x 14 ga.

See Pages 45-47



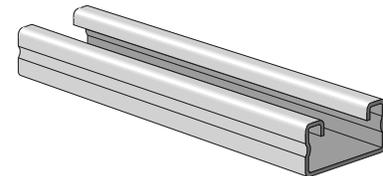
■ **PS 520** 1⁵/₈" x 1³/₁₆" x 12 ga.

See Pages 48-50



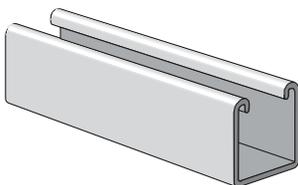
■ **PS 560** 1⁵/₈" x 1³/₁₆" x 16 ga.

See Pages 51-53



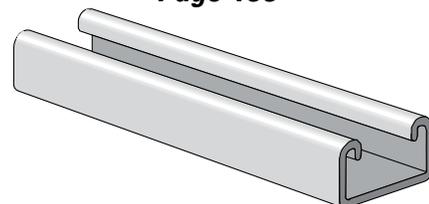
■ **PS 600J** 1³/₁₆" x 1³/₁₆" x 19 ga.

*See Junior Channel
Page 134*



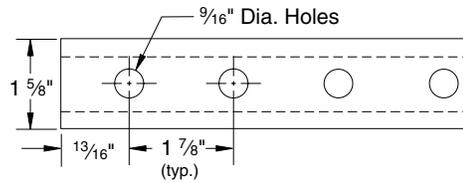
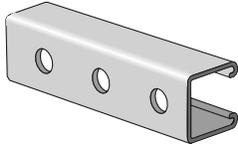
■ **PS 700J** 1³/₁₆" x 1³/₃₂" x 19 ga.

*See Junior Channel
Page 135*



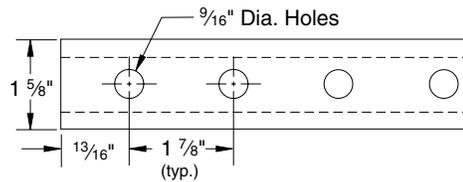
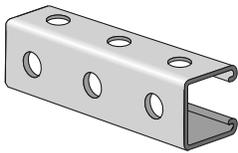


Channel with Holes



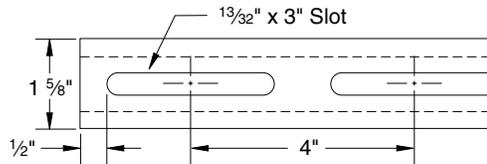
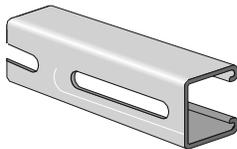
PS 100, PS 150, PS 200,
PS 210, PS 300, PS 400,
PS 500, PS 520, PS 560

Channel with Holes on Three Sides



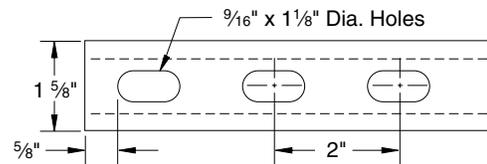
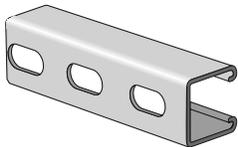
PS 200 Only

Channel with Slots



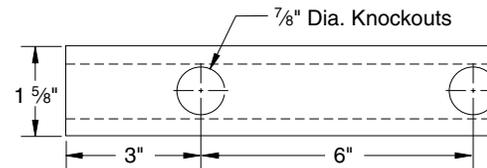
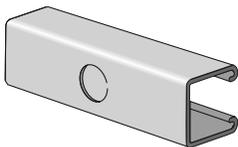
PS 100, PS 150, PS 200,
PS 210, PS 300, PS 400,
PS 500, PS 520, PS 560

Channel with Elongated Holes



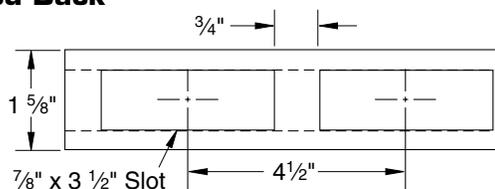
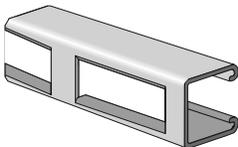
PS 100, PS 150, PS 200,
PS 200 2T3, PS 210,
PS 300, PS 400, PS 500,
PS 520, PS 560

Channel with Knockouts



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

Channel with Slotted Back



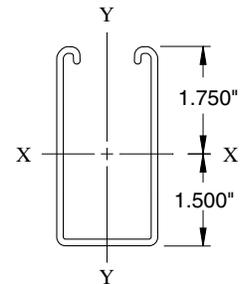
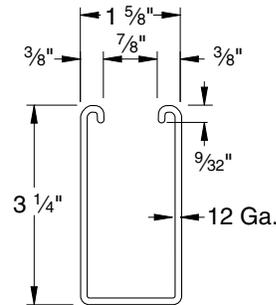
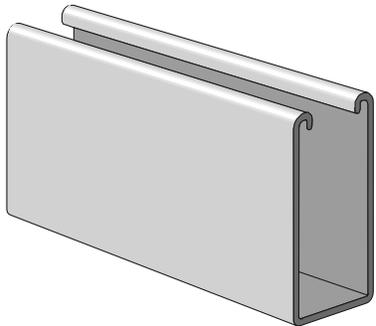
PS 200 Only



CHANNEL

Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

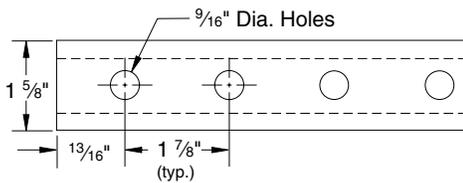
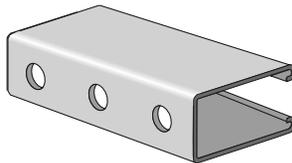
PS 100 - Steel Channel (1⁵/₈" x 3¹/₄" x 12 ga.)



ELEMENTS OF SECTION

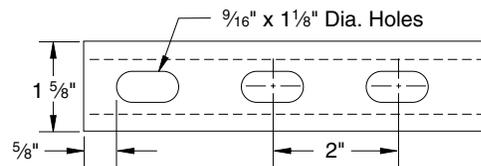
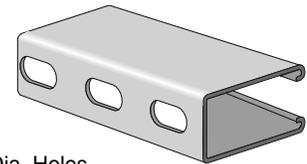
Weight (lbs./100 ft.)	Area of Section (Inch ²)	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)	Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)
305	0.897	1.099	0.628	1.107	0.359	0.442	0.695

PS 100 H - Channel with Holes



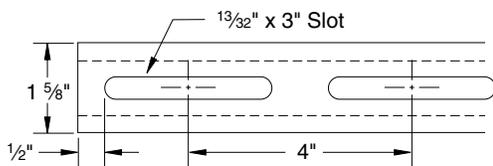
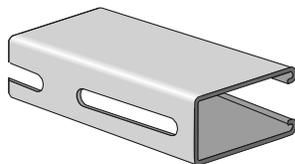
Weight: 300 lbs./100 ft.

PS 100 EH - Channel with Elongated Holes



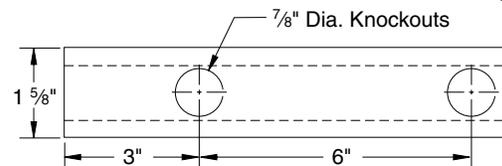
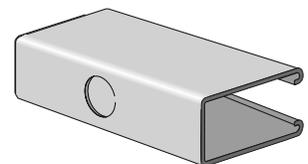
Weight: 300 lbs./100 ft.

PS 100 S - Channel with Slots



Weight: 300 lbs./100 ft.

PS 100 K06 - Channel with Knockouts



Weight: 305 lbs./100 ft.



Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

BEAM LOADING – PS 100

Span In	Max Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
			Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
24	5,260	0.03	5,260	5,260	5,260
36	3,510	0.07	3,510	3,510	3,510
48	2,630	0.12	2,630	2,630	2,630
60	2,110	0.18	2,110	2,110	1,920
72	1,750	0.26	1,750	1,750	1,330
84	1,500	0.36	1,500	1,470	980
96	1,320	0.47	1,320	1,130	750
108	1,170	0.59	1,170	890	590
120	1,050	0.73	960	720	480
144	880	1.05	670	500	330
168	750	1.43	490	370	250
192	660	1.87	380	280	190
216	580	2.37	300	220	150
240	530	2.92	240	180	120

* Bearing load may govern capacity.

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:

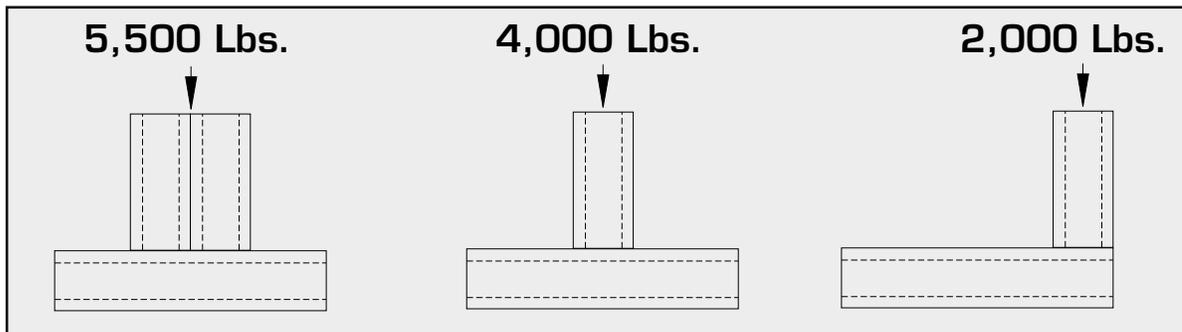
PS-100-EH	15%	PS-100-S	15%
PS-100-H	10%	PS-100-K06	5%

COLUMN LOADING – PS 100

Unbraced Height In	Maximum Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
		K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
24	4,430	13,050	12,000	11,180	9,590
36	4,030	11,380	9,590	7,390	5,560
48	3,400	8,830	6,730	4,700	3,560
60	2,780	6,580	4,700	3,360	2,620
72	2,330	4,890	3,560	2,620	2,090
84	2,010	3,860	2,870	2,160	1,750
96	1,770	3,180	2,410	1,850	1,510
108	1,590	2,710	2,090	1,620	1,330
120	1,440	2,370	1,850	1,450	**

Column loads are for allowable axial loads and must be reduced for eccentric loading.

PS 100 – Crush Loads



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

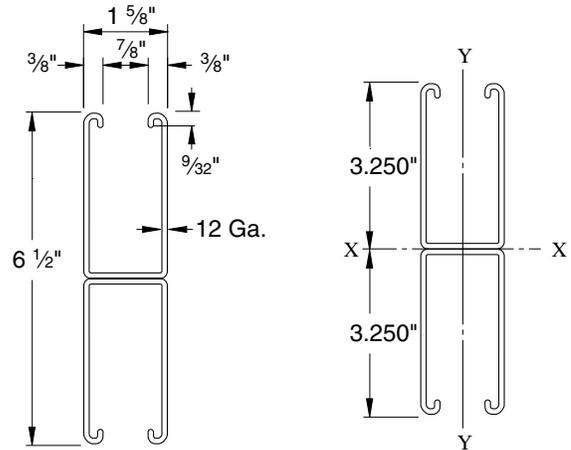
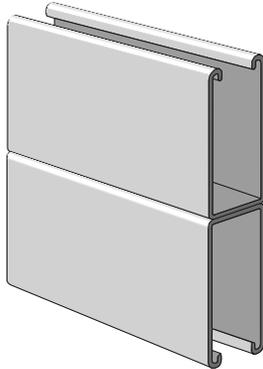
Pull Out Strength – 2,000 lbs. per bolt when 1/2" PS NS channel nuts are used.



CHANNEL

Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

PS 100 2T3 – Steel Channel (1⁵/₈" x 6¹/₂" x 12 ga.)



ELEMENTS OF SECTION

Weight (lbs./100 ft.)	Area of Section (Inch ²)	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)	Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)
610	1.794	5.578	1.716	1.864	0.719	0.884	0.695

BEAM LOADING – PS 100 2T3

Span In	Max Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
			Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
24	6,170 *	0.01	6,170 *	6,170 *	6,170 *
36	6,170 *	0.03	6,170 *	6,170 *	6,170 *
48	5,650	0.05	5,650	5,650	5,650
60	4,520	0.08	4,520	4,520	4,520
72	3,770	0.11	3,770	3,770	3,770
84	3,230	0.15	3,230	3,230	3,230
96	2,830	0.20	2,830	2,830	2,830
108	2,510	0.25	2,510	2,510	2,510
120	2,260	0.31	2,260	2,260	2,260
144	1,880	0.45	1,880	1,880	1,690
168	1,610	0.61	1,610	1,610	1,240
192	1,410	0.79	1,410	1,410	950
216	1,260	1.00	1,260	1,130	750
240	1,130	1.24	1,130	910	610

COLUMN LOADING – PS 100 2T3

Height In	Maximum Unbraced Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
		K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
24	8,360	30,190	29,820	29,220	28,500
36	8,230	29,300	28,500	27,220	25,740
48	8,050	28,100	26,750	24,660	22,320
60	7,810	26,630	24,660	23,090	19,770
72	7,530	24,930	22,320	19,770	15,800
84	7,340	23,070	21,110	16,450	12,100
96	6,950	22,440	18,430	13,300	9,260
108	6,510	20,270	15,800	10,540	7,320
120	6,010	18,100	13,300	8,540	**

Column loads are for allowable axial loads and must be reduced for eccentric loading.

* Load limited by spot weld shear.

† Bearing load may govern capacity.

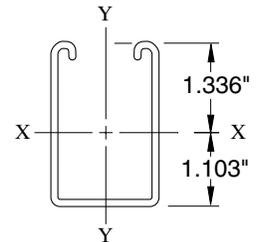
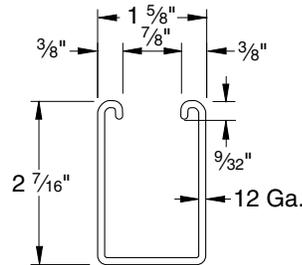
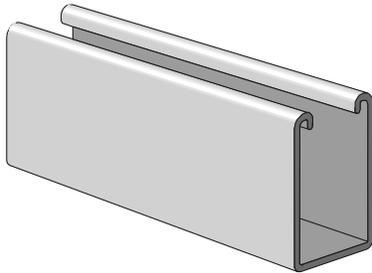
For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8.

CHANNEL



Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

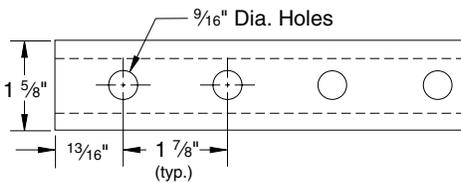
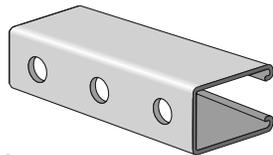
PS 150 – Steel Channel (1⁵/₈" x 2⁷/₁₆" x 12 ga.)



ELEMENTS OF SECTION

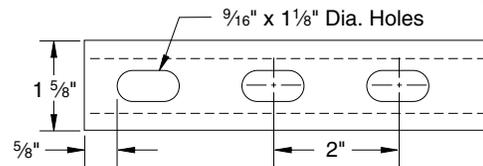
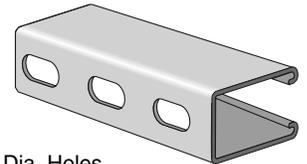
Weight (lbs./100 ft.)	Area of Section (Inch ²)	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)	Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)
247	0.726	0.523	0.391	0.848	0.335	0.412	0.679

PS 150 H - Channel with Holes



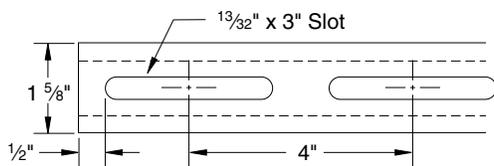
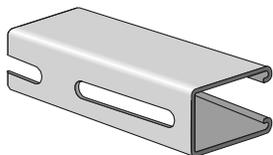
Weight: 242 lbs./100 ft.

PS 150 EH – Channel with Elongated Holes



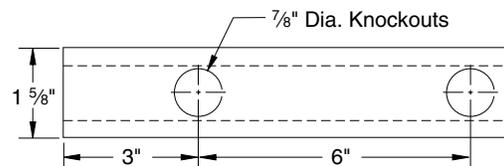
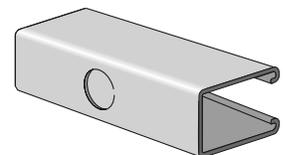
Weight: 242 lbs./100 ft.

PS 150 S - Channel with Slots



Weight: 242 lbs./100 ft.

PS 150 K06 – Channel with Knockouts



Weight: 247 lbs./100 ft.



CHANNEL

Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

BEAM LOADING – PS 150

Span In	Max Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
			Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
24	3,280	0.04	3,280	3,280	3,280
36	2,190	0.09	2,190	2,190	2,190
48	1,640	0.15	1,640	1,640	1,430
60	1,310	0.24	1,310	1,310	910
72	1,090	0.34	1,090	950	630
84	940	0.47	930	700	470
96	820	0.61	710	540	360
108	730	0.77	560	420	280
120	660	0.96	460	340	230
144	550	1.38	320	240	160
168	470	1.87	230	170	120
192	410	2.45	180	130	90
216	360	3.10	140	110	70
240	330	3.82	110	90	60

COLUMN LOADING – PS 150

Unbraced Height In	Maximum Allowed Load at Slot Face Lbs	Max. Column Load Applied at C.G.			
		K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
24	4,580	13,860	12,610	10,910	9,300
36	4,010	11,120	9,300	7,190	5,550
48	3,370	8,550	6,580	4,800	3,800
60	2,810	6,430	4,800	3,610	2,920
72	2,410	4,970	3,800	2,920	2,390
84	2,120	4,060	3,160	2,460	2,020
96	1,900	3,450	2,720	2,130	1,740
108	1,720	3,000	2,390	1,870	1,520
120	1,570	2,670	2,130	1,660	**

Column loads are for allowable axial loads and must be reduced for eccentric loading.

* Bearing load may govern capacity.

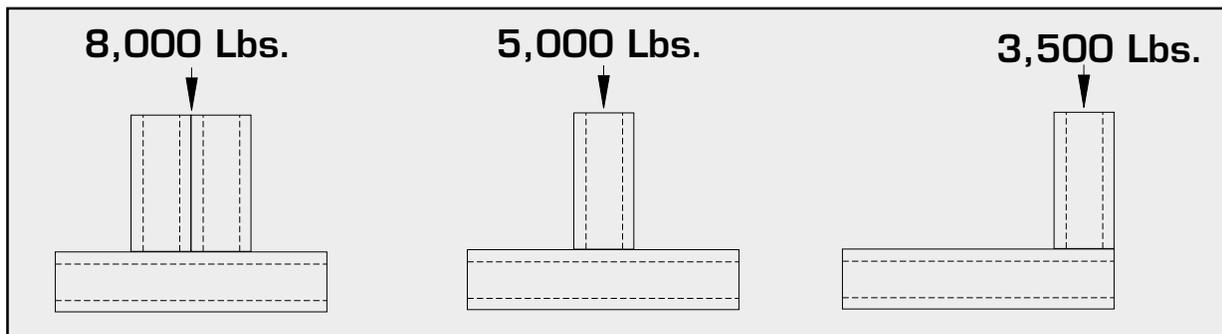
This load table is based on a solid channel section.

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

PS 150 – Crush Loads



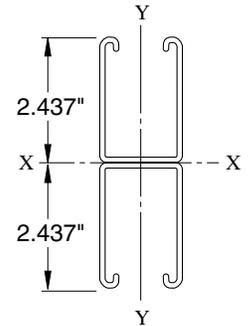
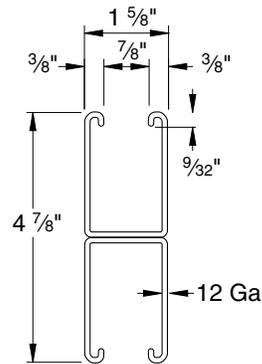
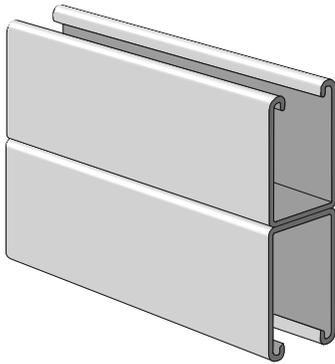
Resistance to Slip – 1,500 lbs. per bolt when ½" PS NS channel nuts are used.

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



Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

PS 150 2T3 – Steel Channel (1⁵/₈" x 4⁷/₈" x 12 ga.)



ELEMENTS OF SECTION

Weight (lbs./100 ft.)	Area of Section (Inch ²)	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)	Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)
494	1.453	2.811	1.153	1.391	0.669	0.824	0.679

BEAM LOADING – PS 150 2T3

Span In	Max Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
			Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
24	4,680 *	0.02	4,680 *	4,680 *	4,680 *
36	4,680 *	0.05	4,680 *	4,680 *	4,680 *
48	4,680 *	0.08	4,680 *	4,680 *	4,680 *
60	3,870	0.13	3,870	3,870	3,870
72	3,220	0.19	3,220	3,220	3,220
84	2,760	0.26	2,760	2,760	2,510
96	2,420	0.34	2,420	2,420	1,920
108	2,150	0.42	2,150	2,150	1,520
120	1,930	0.52	1,930	1,840	1,230
144	1,610	0.76	1,610	1,280	850
168	1,380	1.03	1,250	940	630
192	1,210	1.34	960	720	480
216	1,070	1.70	760	570	380
240	970	2.10	610	460	310

COLUMN LOADING – PS 150 2T3

Unbraced Height In	Maximum Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
		K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
24	8,650	32,840	32,310	31,440	30,410
36	8,450	31,560	30,410	28,610	26,550
48	8,180	29,850	27,950	25,070	21,960
60	7,830	27,780	25,070	21,160	17,200
72	7,420	25,450	21,960	17,200	12,730
84	6,940	22,950	18,770	13,460	9,350
96	6,410	20,360	15,660	10,310	7,160
108	5,810	17,780	12,730	8,150	5,660
120	5,220	15,280	10,310	6,600	**

Column loads are for allowable axial loads and must be reduced for eccentric loading.

*Load limited by spot weld shear.

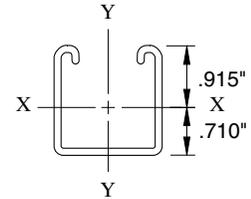
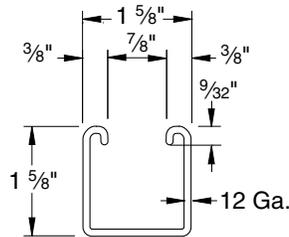
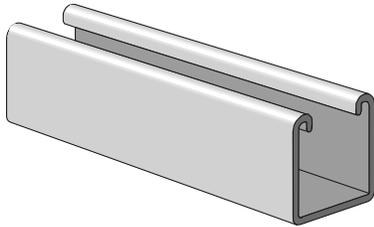
For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8.



CHANNEL

Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

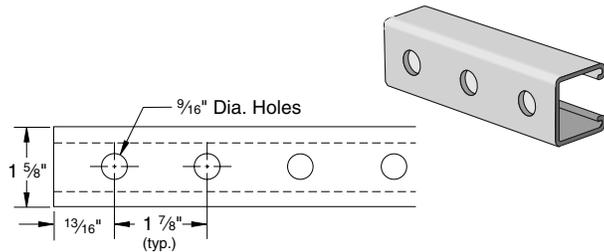
PS 200 – Steel Channel (1⁵/₈" x 1⁵/₈" x 12 ga.)



ELEMENTS OF SECTION

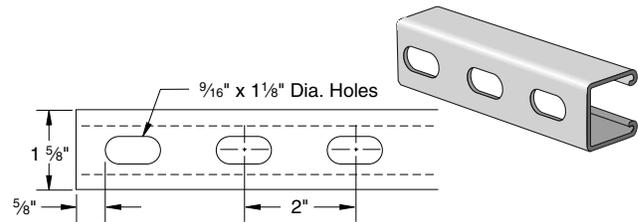
Weight (lbs./100 ft.)	Area of Section (Inch ²)	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)	Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)
189	0.556	0.185	0.202	0.577	0.236	0.290	0.651

PS 200 H - Channel with Holes



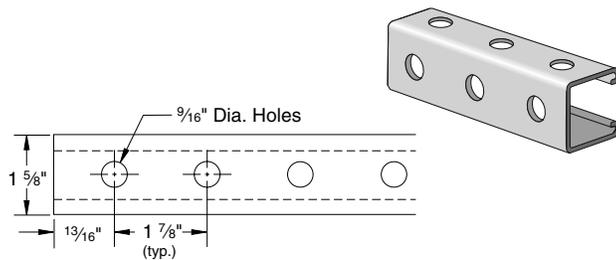
Weight: 186 lbs./100 ft.

PS 200 EH – Channel with Elongated Holes



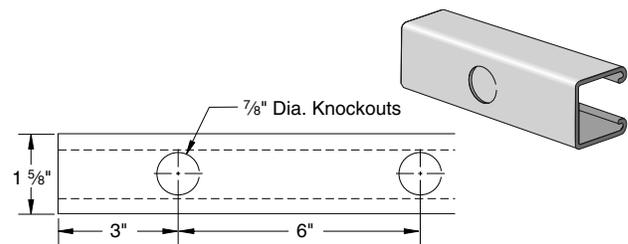
Weight: 185 lbs./100 ft.

PS 200 H3 - Channel with Holes



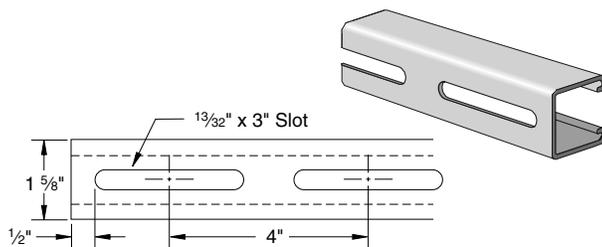
Weight: 175 lbs./100 ft.

PS 200 K06 – Channel with Knockouts



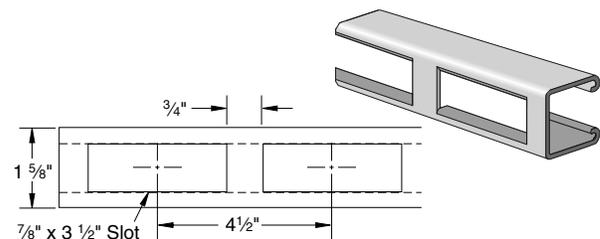
Weight: 189 lbs./100 ft.

PS 200 S - Channel with Slots



Weight: 185 lbs./100 ft.

PS 200 SB – Channel with Slotted Back



Weight: 173 lbs./100 ft.



Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

BEAM LOADING – PS 200

Span In	Max Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
			Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
24	1,690	0.06	1,690	1,690	1,690
36	1,130	0.13	1,130	1,130	900
48	850	0.22	850	760	510
60	680	0.35	650	490	320
72	560	0.50	450	340	220
84	480	0.68	330	250	170
96	420	0.89	250	190	130
108	380	1.13	200	150	100
120	340	1.40	160	120	80
144	280	2.01	110	80	60
168	240	2.74	80	60	40
192	210	3.57	60	50	NR
216	190	4.52	50	40	NR
240	170	5.58	40	NR	NR

This load table is based on a solid channel section.

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-200-EH	15%	PS-200-S	15%
PS-200-H	10%	PS-200-K06	5%
PS-200-SB	30%		

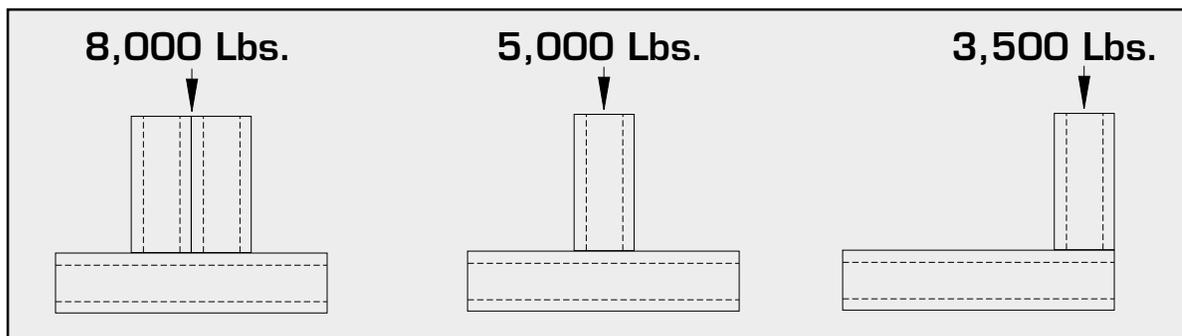
For Extruded Aluminum Channels, reduce beam load values 38%.

COLUMN LOADING – PS 200

Unbraced Height In	Maximum Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
		K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
24	3,450	10,750	9,900	8,770	7,730
36	3,050	8,910	7,730	6,370	5,280
48	2,660	7,250	5,980	4,660	3,770
60	2,290	5,890	4,660	3,600	2,940
72	2,000	4,800	3,770	2,940	2,380
84	1,760	4,010	3,170	2,460	1,970
96	1,570	3,450	2,730	2,090	1,650
108	1,410	3,020	2,380	1,800	**
120	1,270	2,680	2,090	**	**

Column loads are for allowable axial loads and must be reduced for eccentric loading.

PS 200 – Crush Loads



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

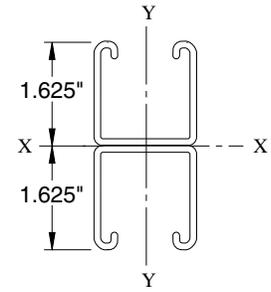
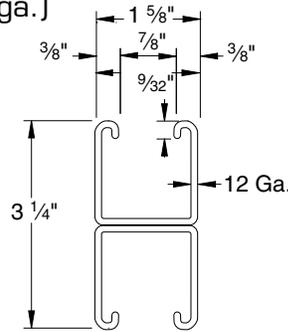
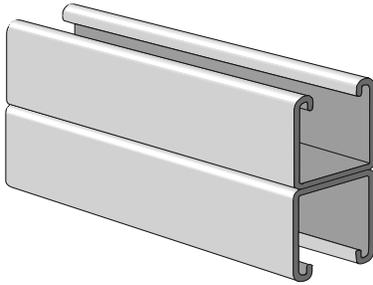
Pull Out Strength – 2,000 lbs. per bolt when ½" PS NS channel nuts are used.



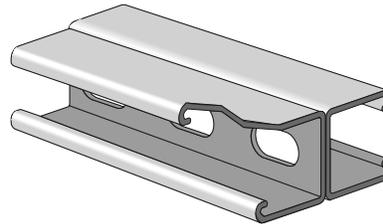
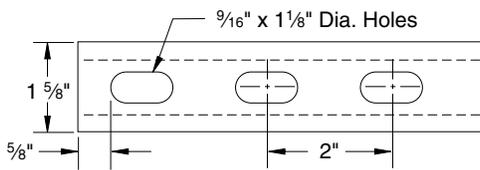
CHANNEL

Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

PS 200 2T3 – Steel Channel (1⁵/₈" x 3¹/₄" x 12 ga.)



PS 200 EH 2T3 – Channel with Elongated Holes



Weight:
370 lbs./100 ft.

ELEMENTS OF SECTION

Weight (lbs./100 ft.)	Area of Section (Inch ²)	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)	Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)
378	1.112	0.930	0.572	0.915	0.472	0.580	0.651

BEAM LOADING – PS 200 2T3

Span In	Max Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
			Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
24	3,130 *	0.03	3,130 *	3,130 *	3,130 *
36	3,130 *	0.07	3,130 *	3,130 *	3,130 *
48	2,400	0.13	2,400	2,400	2,400
60	1,920	0.20	1,920	1,920	1,630
72	1,600	0.28	1,600	1,600	1,130
84	1,370	0.39	1,370	1,240	830
96	1,200	0.50	1,200	950	640
108	1,070	0.64	1,000	750	500
120	960	0.79	810	610	410
144	800	1.13	560	420	280
168	690	1.54	410	310	210
192	600	2.01	320	240	160
216	530	2.55	250	190	130
240	480	3.15	200	150	100

COLUMN LOADING – PS 200 2T3

Unbraced Height In	Maximum Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
		K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
24	6,430	25,060	24,620	23,900	23,050
36	6,230	24,000	23,050	21,570	19,890
48	5,950	22,590	21,030	18,690	16,170
60	5,620	20,890	18,690	15,540	12,400
72	5,240	18,990	16,170	12,400	8,960
84	4,830	16,970	13,640	9,470	6,580
96	4,390	14,900	11,200	7,250	5,040
108	3,930	12,860	8,960	5,730	3,980
120	3,510	10,910	7,250	4,640	**

Column loads are for allowable axial loads and must be reduced for eccentric loading.

*Load limited by spot weld shear.

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.

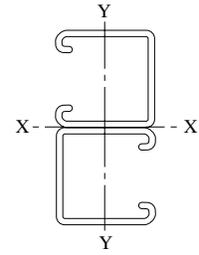
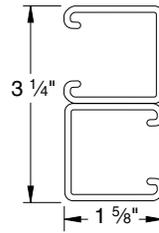
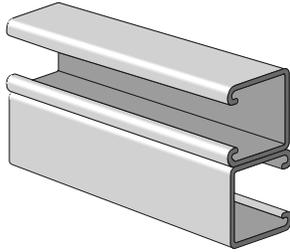
For pierced section, PS200 EH 2T3, reduce beam load values by 15%.

CHANNEL

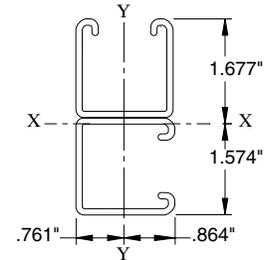
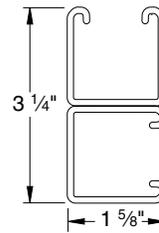
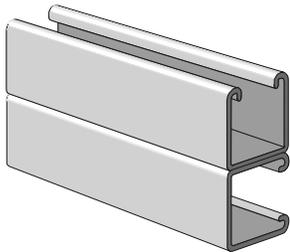


Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

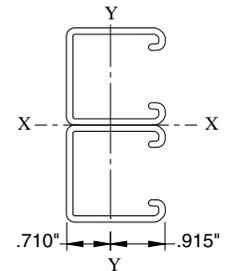
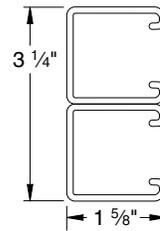
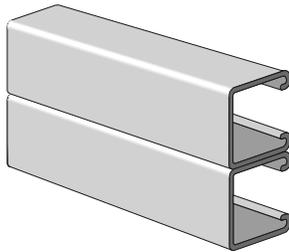
PS 200 2T2 – Welded Steel Channel (1⁵/₈" x 3¹/₄" x 12 ga.)



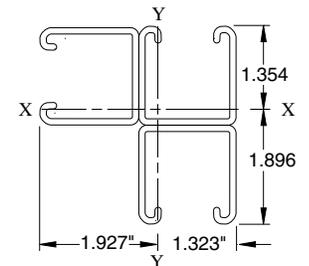
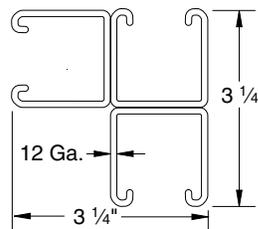
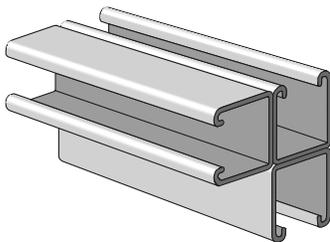
PS 200 2T4 – Welded Steel Channel (1⁵/₈" x 3¹/₄" x 12 ga.)



PS 200 2T5 – Welded Steel Channel (1⁵/₈" x 3¹/₄" x 12 ga.)



PS 200 3T6 – Welded Steel Channel (3¹/₄" x 3¹/₄" x 12 ga.)



ELEMENTS OF SECTION

Part No.	Weight (lbs./100 ft.)	Area of Section (Inch ²)	X-X Axis			Y-Y Axis		
			Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)	Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)
PS 200 2T2	378	1.112	1.206	0.742	1.042	0.382	0.470	0.586
PS 200 2T4	378	1.112	1.065	0.635	0.979	0.424	0.491	0.617
PS 200 2T5	378	1.112	1.206	0.742	1.042	0.370	0.404	0.577
PS 200 3T6	567	1.667	1.410	0.744	0.920	1.515	0.785	0.953



CHANNEL

Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

BEAM LOADING – PS 200 2T2

Span In	Max Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
			Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
24	3,560 *	0.03	3,560 *	3,560 *	3,560 *
36	3,560 *	0.07	3,560 *	3,560 *	3,560 *
48	3,110	0.13	3,110	3,110	3,110
60	2,490	0.20	2,490	2,490	2,110
72	2,070	0.28	2,070	2,070	1,460
84	1,780	0.39	1,780	1,610	1,080
96	1,560	0.50	1,560	1,240	820
108	1,380	0.64	1,300	980	650
120	1,240	0.79	1,050	790	530
144	1,040	1.13	730	550	370
168	890	1.54	540	400	270
192	780	2.01	410	310	210
216	690	2.55	330	240	160
240	620	3.15	260	200	130

*Load limited by spot weld shear.

This load table is based on a solid channel section.

For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8.

BEAM LOADING – PS 200 2T4

Span In	Max Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
			Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
24	3,350 *	0.03	3,350 *	3,350 *	3,350 *
36	3,350 *	0.07	3,350 *	3,350 *	3,350 *
48	2,660	0.12	2,660	2,660	2,660
60	2,130	0.19	2,130	2,130	1,860
72	1,770	0.27	1,770	1,770	1,290
84	1,520	0.37	1,520	1,420	950
96	1,330	0.49	1,330	1,090	730
108	1,180	0.62	1,150	860	570
120	1,060	0.76	930	700	470
144	890	1.10	650	480	320
168	760	1.49	470	360	240
192	670	1.95	360	270	180
216	590	2.47	290	220	140
240	530	3.05	230	170	120

COLUMN LOADING – PS 200 2T2

Unbraced Height In	Maximum Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
		K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
24	11,670	24,860	24,320	23,450	22,430
36	11,060	23,570	22,430	20,660	18,690
48	10,270	21,870	20,020	17,300	14,480
60	9,330	19,860	17,300	13,780	10,430
72	8,310	17,650	14,480	10,430	7,260
84	7,230	15,360	11,730	7,680	5,330
96	6,130	13,080	9,180	5,880	4,080
108	5,180	10,910	7,260	4,640	**
120	4,420	8,900	5,880	**	**

COLUMN LOADING – PS 200 2T4

Unbraced Height In	Maximum Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
		K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
24	6,650	23,830	22,880	21,460	19,940
36	6,300	21,640	19,940	17,650	15,440
48	5,880	19,180	16,900	14,060	11,520
60	5,410	16,710	14,060	10,940	8,340
72	4,910	14,400	11,520	8,340	6,270
84	4,400	12,280	9,270	6,560	4,880
96	3,920	10,370	7,550	5,290	3,900
108	3,510	8,670	6,270	4,350	**
120	3,150	7,370	5,290	3,630	**

Column loads are for allowable axial loads and must be reduced for eccentric loading.



Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

BEAM LOADING – PS 200 2T5

Span In	Max Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
			Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
24	3,560 *	0.03	3,560 *	3,560 *	3,560 *
36	3,560 *	0.07	3,560 *	3,560 *	3,560 *
48	3,110	0.13	3,110	3,110	3,110
60	2,490	0.20	2,490	2,490	2,110
72	2,070	0.28	2,070	2,070	1,460
84	1,780	0.39	1,780	1,610	1,080
96	1,560	0.50	1,560	1,240	820
108	1,380	0.64	1,300	980	650
120	1,240	0.79	1,050	790	530
144	1,040	1.13	730	550	370
168	890	1.54	540	400	270
192	780	2.01	410	310	210
216	690	2.55	330	240	160
240	620	3.15	260	200	130

*Load limited by spot weld shear.

This load table is based on a solid channel section.

For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8.

BEAM LOADING – PS 200 3T6

Span In	Max Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
			Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
24	4,740 *	0.03	4,740 *	4,740 *	4,740 *
36	4,160	0.06	4,160	4,160	4,160
48	3,120	0.11	3,120	3,120	3,120
60	2,490	0.17	2,490	2,490	2,460
72	2,080	0.24	2,080	2,080	1,710
84	1,780	0.33	1,780	1,780	1,260
96	1,560	0.43	1,560	1,440	960
108	1,390	0.55	1,390	1,140	760
120	1,250	0.67	1,230	920	620
144	1,040	0.97	860	640	430
168	890	1.32	630	470	310
192	780	1.73	480	360	240
216	690	2.19	380	290	190
240	620	2.70	310	230	150

COLUMN LOADING – PS 200 2T5

Unbraced Height In	Maximum Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
		K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
24	10,230	22,450	20,960	18,850	16,730
36	9,020	19,110	16,730	13,750	11,170
48	7,680	15,700	12,850	9,660	7,450
60	6,380	12,630	9,660	7,040	5,490
72	5,310	10,030	7,450	5,490	4,280
84	4,520	8,030	6,030	4,450	3,440
96	3,920	6,670	5,030	3,690	2,830
108	3,440	5,680	4,280	3,120	**
120	3,040	4,920	3,690	**	**

COLUMN LOADING – PS 200 3T6

Unbraced Height In	Maximum Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
		K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
24	7,440	34,950	33,390	31,270	29,250
36	7,130	31,530	29,250	26,590	24,410
48	6,800	28,310	25,810	23,180	21,170
60	6,490	25,630	23,180	20,740	18,860
72	6,200	23,470	21,170	18,860	16,860
84	5,920	21,750	19,570	17,190	14,800
96	5,640	20,330	18,180	15,520	12,680
108	5,370	19,120	16,860	13,720	10,760
120	5,090	18,010	15,520	12,010	9,120

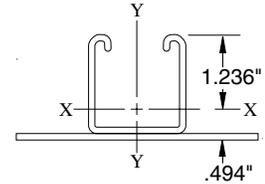
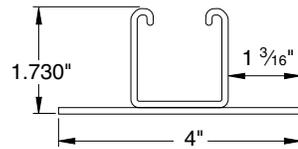
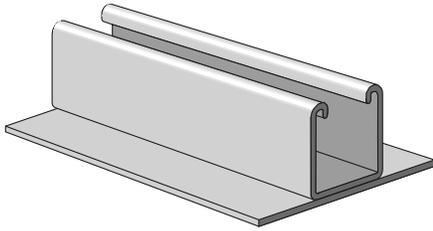
Column loads are for allowable axial loads and must be reduced for eccentric loading.



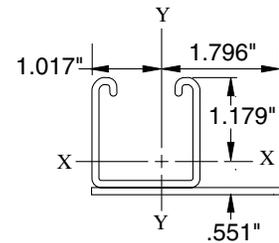
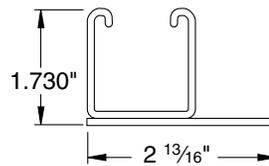
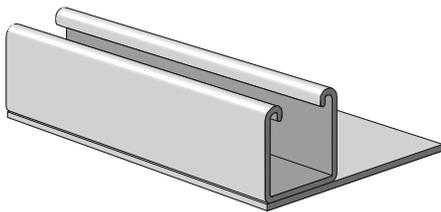
CHANNEL

Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

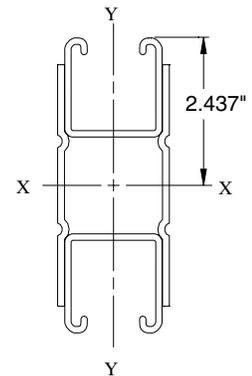
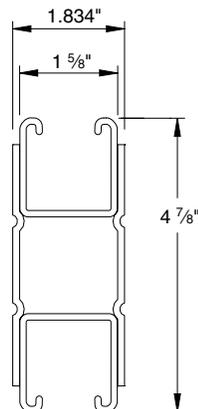
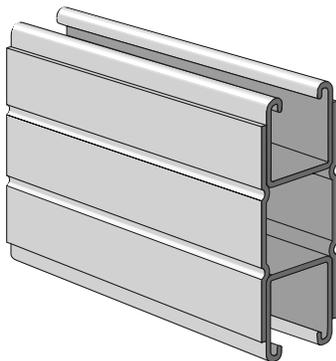
PS 200 PLA – Welded Steel Channel and Plate



PS 200 PLB – Welded Steel Channel and Plate



PS 200 PLC – Welded Steel Channel and Plate





Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

BEAM LOADING – PS 200 PLC

Span In	Max Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
			Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
24	9350 *	0.02	9350 *	9350 *	9350 *
36	9350	0.05	9350	9350	9350
48	7010	0.08	7010	7010	7010
60	5610	0.13	5610	5610	5610
72	4680	0.19	4680	4680	4680
84	4010	0.26	4010	4010	3640
96	3510	0.34	3510	3510	2790
108	3120	0.42	3120	3120	2200
120	2810	0.52	2810	2670	1780
132	2550	0.63	2550	2210	1470
144	2340	0.76	2340	1860	1240
156	2160	0.89	2110	1580	1050
168	2000	1.03	1820	1360	910
180	1870	1.18	1580	1190	790

*Load limited by spot weld shear.

† Bearing load may govern capacity.

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.

COLUMN LOADING – PS 200 PLC

Unbraced Height In	Maximum Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
		K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
24	11,390	36,960	33,980	30,430	27,500
36	10,510	30,840	27,500	24,180	21,870
48	9,780	26,260	23,320	20,720	19,070
60	9,240	23,120	20,720	18,750	17,540
72	8,830	20,980	19,070	17,540	16,660
84	8,520	19,510	17,970	16,770	15,660
96	8,260	18,470	17,190	16,280	11,990
108	8,050	17,690	16,660	13,640	9,470
120	7,870	17,110	16,280	11,050	7,670

Column loads are for allowable axial loads and must be reduced for eccentric loading.

ELEMENTS OF SECTION

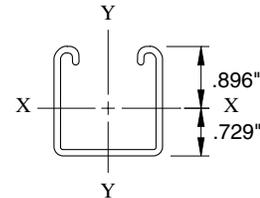
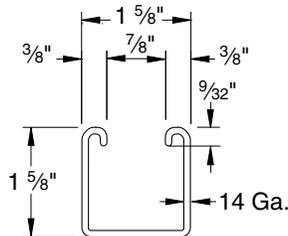
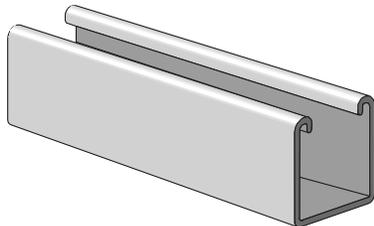
Part No.	Weight (lbs./100 ft.)	Area of Section (Inch ²)	X-X Axis			Y-Y Axis		
			Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)	Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)
PS 200 PLA	332	0.976	0.324	0.261	0.577	0.796	0.398	0.903
PS 200 PLB	291	0.851	0.293	0.249	0.587	0.495	0.276	0.763
PS 200 PLC	672	1.978	4.079	1.673	1.436	1.121	1.204	0.753



CHANNEL

Finish: Plain, Painted Green, or Pregelvanized Order By: No., Length and Finish

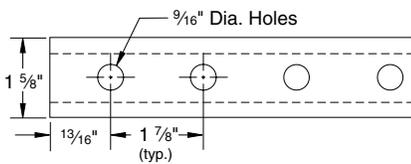
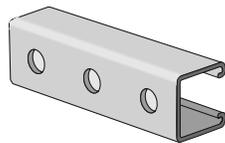
PS 210 – Steel Channel (1⁵/₈" x 1⁵/₈" x 14 ga.)



ELEMENTS OF SECTION

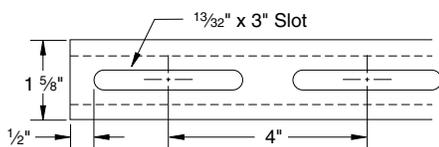
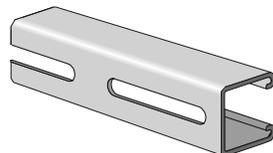
Weight (lbs./100 ft.)	Area of Section (Inch ²)	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)	Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)
142	0.417	0.149	0.166	0.597	0.183	0.225	0.662

PS 210 H - Channel with Holes



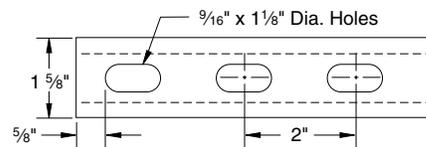
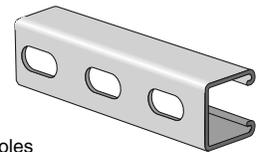
Weight: 137 lbs./100 ft.

PS 210 S - Channel with Slots



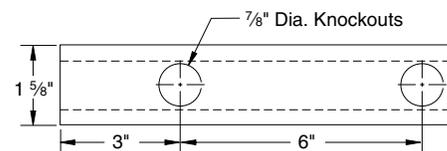
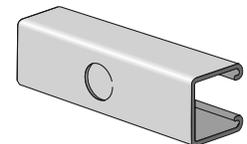
Weight: 137 lbs./100 ft.

PS 210 EH – Channel with Elongated Holes



Weight: 137 lbs./100 ft.

PS 210 K06 – Channel with Knockouts



Weight: 141 lbs./100 ft.



Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

BEAM LOADING – PS 210

Span In	Max Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
			Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
24	1,390	0.06	1,390	1,390	1,390
36	930	0.13	930	930	720
48	700	0.23	700	610	410
60	560	0.36	520	390	260
72	460	0.51	360	270	180
84	400	0.70	270	200	130
96	350	0.91	200	150	100
108	310	1.15	160	120	80
120	280	1.42	130	100	70
144	230	2.05	90	70	50
168	200	2.79	70	50	30
192	170	3.65	50	40	30
216	150	4.62	40	30	NR
240	140	5.70	30	NR	NR

This load table is based on a solid channel section.

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:

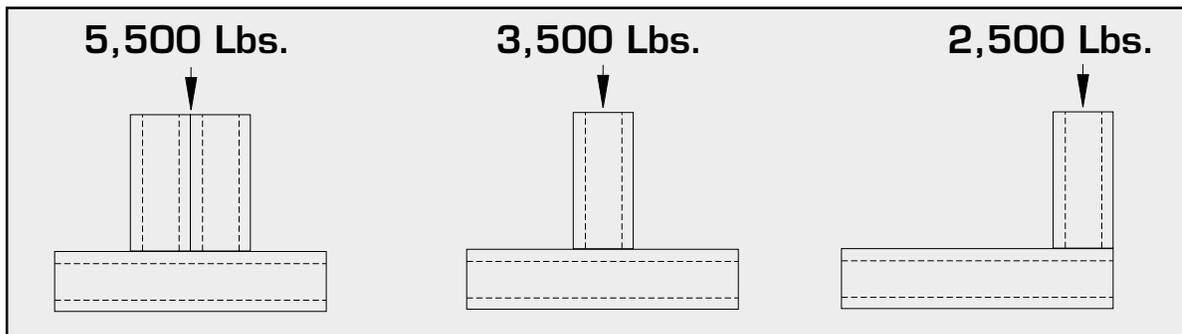
PS-210-EH	15%
PS-210-S	15%
PS-210-H	10%
PS-210-K06	5%

COLUMN LOADING – PS 210

Unbraced Height In	Maximum Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
		K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
24	2,770	8,120	7,450	6,540	5,660
36	2,410	6,650	5,660	4,480	3,520
48	2,040	5,240	4,140	3,040	2,390
60	1,690	4,050	3,040	2,270	1,830
72	1,440	3,140	2,390	1,830	1,480
84	1,260	2,560	1,980	1,530	1,240
96	1,120	2,170	1,700	1,310	1,060
108	1,000	1,880	1,480	1,140	**
120	910	1,670	1,310	**	*

Column loads are for allowable axial loads and must be reduced for eccentric loading.

PS 210 – Crush Loads



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

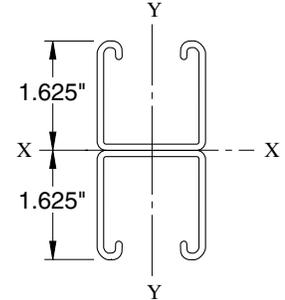
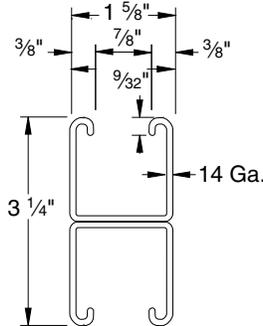
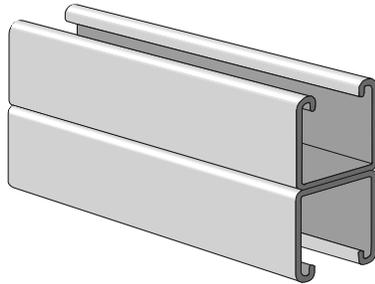
Pull Out Strength – 1,400 lbs. per bolt when ½" PS NS channel nuts are used.



CHANNEL

Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

PS 210 2T3 – Steel Channel (1⁵/₈" x 3¹/₄" x 14 ga.)



ELEMENTS OF SECTION

Weight (lbs./100 ft.)	Area of Section (Inch ²)	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)	Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)
284	0.834	0.741	0.456	0.942	0.366	0.451	0.662

BEAM LOADING – PS 210 2T3

Span In	Max Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
			Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
24	1,850 *	0.03	1,850 *	1,850 *	1,850 *
36	1,850 *	0.07	1,850 *	1,850 *	1,850 *
48	1,850 *	0.13	1,850 *	1,850 *	1,850 *
60	1,530	0.20	1,530	1,530	1,300
72	1,270	0.28	1,270	1,270	900
84	1,090	0.39	1,090	990	660
96	960	0.50	960	760	510
108	850	0.64	800	600	400
120	760	0.79	650	490	320
144	640	1.13	450	340	220
168	550	1.54	330	250	170
192	480	2.01	250	190	130
216	420	2.55	200	150	100
240	380	3.15	160	120	80

COLUMN LOADING – PS 210 2T3

Unbraced Height In	Maximum Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
		K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
24	5,050	18,820	18,500	17,980	17,360
36	4,890	18,050	17,360	16,280	15,050
48	4,670	17,020	15,880	14,170	12,320
60	4,420	15,780	14,170	11,850	9,530
72	4,120	14,390	12,320	9,530	6,950
84	3,800	12,910	10,450	7,350	5,100
96	3,460	11,380	8,630	5,630	3,910
108	3,100	9,870	6,950	4,450	3,090
120	2,770	8,420	5,630	3,600	**

Column loads are for allowable axial loads and must be reduced for eccentric loading.

*Load limited by spot weld shear.

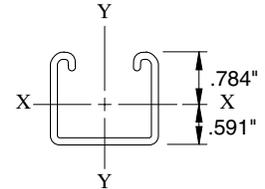
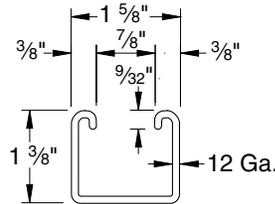
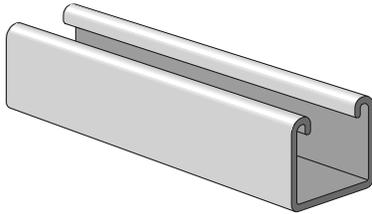
For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8.

CHANNEL



Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

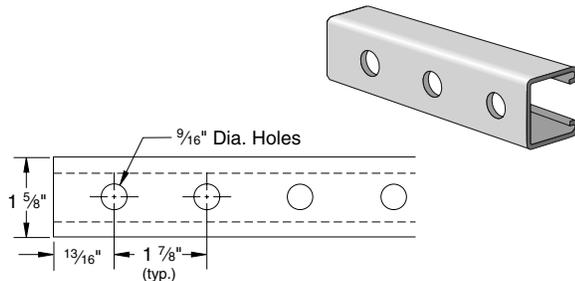
PS 300 – Steel Channel (1⁵/₈" x 1³/₈" x 12 ga.)



ELEMENTS OF SECTION

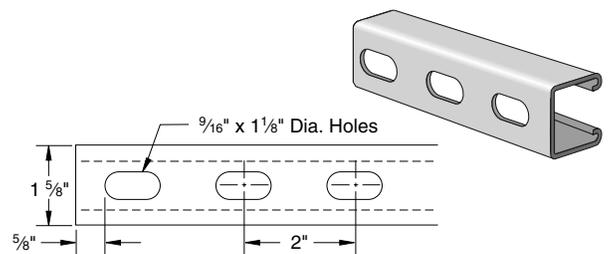
Weight (lbs./100 ft.)	Area of Section (Inch ²)	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)	Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)
171	0.503	0.121	0.154	0.490	0.205	0.253	0.639

PS 300 H - Channel with Holes



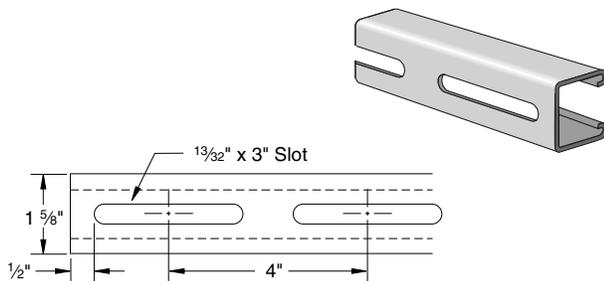
Weight: 165 lbs./100 ft.

PS 300 EH – Channel with Elongated Holes



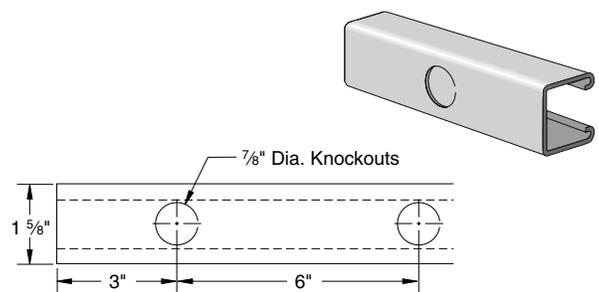
Weight: 165 lbs./100 ft.

PS 300 S - Channel with Slots



Weight: 165 lbs./100 ft.

PS 300 K06 – Channel with Knockouts



Weight: 170 lbs./100 ft.



CHANNEL

Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

BEAM LOADING – PS 300

Span In	Max Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
			Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
24	1,290	0.07	1,290	1,290	1,290
36	860	0.15	860	860	590
48	650	0.26	650	500	330
60	520	0.41	420	320	210
72	430	0.59	290	220	150
84	370	0.80	220	160	110
96	320	1.04	170	120	80
108	290	1.32	130	100	70
120	260	1.63	110	80	50
144	220	2.34	70	60	40
168	180	3.19	50	40	30
192	160	4.17	40	30	NR
216	140	5.27	NR	NR	NR
240	130	6.51	NR	NR	NR

This load table is based on a solid channel section.

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:

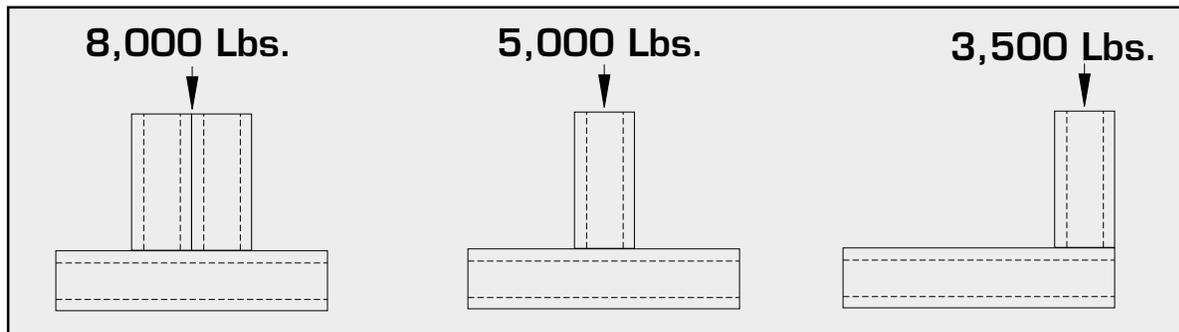
PS-300-EH	15%
PS-300-S	15%
PS-300-H	10%
PS-300-K06	5%

COLUMN LOADING – PS 300

Unbraced Height In	Maximum Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
		K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
24	3,070	9,790	9,090	8,190	7,370
36	2,730	8,300	7,370	6,320	5,440
48	2,400	7,000	6,010	4,930	4,050
60	2,090	5,930	4,930	3,860	3,120
72	1,820	5,060	4,050	3,120	2,290
84	1,590	4,300	3,390	2,430	**
96	1,400	3,690	2,880	1,860	**
108	1,200	3,220	2,290	**	**
120	1,040	2,820	1,860	**	**

Column loads are for allowable axial loads and must be reduced for eccentric loading.

PS 300 – Crush Loads



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

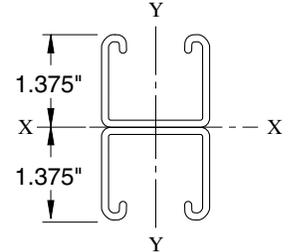
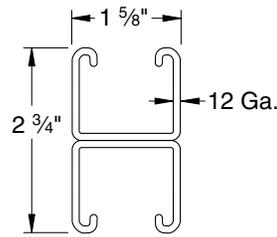
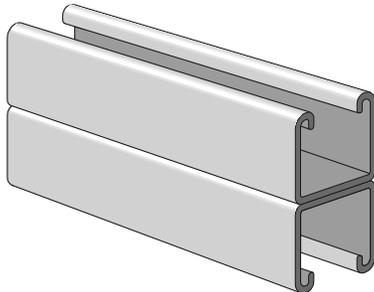
Pull Out Strength – 2,000 lbs. per bolt when ½" PS NS channel nuts are used.

CHANNEL



Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

PS 300 2T3 – Steel Channel (1⁵/₈" x 2³/₄" x 12 ga.)



2

ELEMENTS OF SECTION

Weight (lbs./100 ft.)	Area of Section (Inch ²)	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)	Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)
342	1.007	0.593	0.431	0.767	0.411	0.506	0.639

BEAM LOADING – P300 2T3

Span <i>In</i>	Max Allowable Uniform Load <i>Lbs</i>	Defl. at Uniform Load <i>In</i>	Uniform Loading at Deflection		
			Span/180 <i>Lbs</i>	Span/240 <i>Lbs</i>	Span/360 <i>Lbs</i>
24	2,660 *	0.04	2,660 *	2,660 *	2,660 *
36	2,410	0.08	2,410	2,410	2,410
48	1,810	0.15	1,810	1,810	1,620
60	1,450	0.23	1,450	1,450	1,040
72	1,200	0.33	1,200	1,080	720
84	1,030	0.46	1,030	790	530
96	900	0.59	810	610	400
108	800	0.75	640	480	320
120	720	0.93	520	390	260
144	600	1.34	360	270	180
168	520	1.82	260	200	130
192	450	2.38	200	150	100
216	400	3.01	160	120	80
240	360	3.72	130	100	60

*Load limited by spot weld shear.

For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8.

COLUMN LOADING – P300 2T3

Unbraced Height <i>In</i>	Maximum Allowable Load at Slot Face <i>Lbs</i>	Maximum Column Load Applied at C.G.			
		<i>K = 0.65</i> <i>Lbs</i>	<i>K = 0.80</i> <i>Lbs</i>	<i>K = 1.0</i> <i>Lbs</i>	<i>K = 1.2</i> <i>Lbs</i>
24	5,720	22,670	22,250	21,580	20,780
36	5,500	21,670	20,780	19,400	17,830
48	5,220	20,350	18,890	16,710	14,390
60	4,880	18,760	16,710	13,800	10,920
72	4,510	17,000	14,390	10,920	7,810
84	4,120	15,120	12,050	8,270	5,740
96	3,710	13,210	9,820	6,330	4,400
108	3,300	11,340	7,810	5,000	**
120	2,940	9,560	6,330	4,050	**

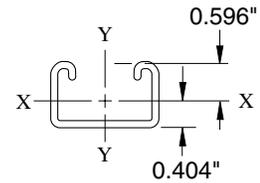
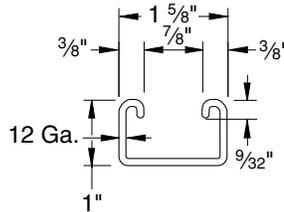
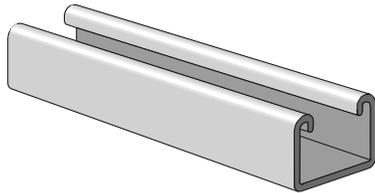
Column loads are for allowable axial loads and must be reduced for eccentric loading.



CHANNEL

Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

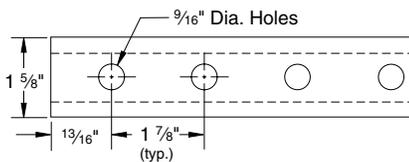
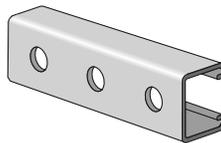
PS 400 – Steel Channel (1⁵/₈" x 1" x 12 ga.)



ELEMENTS OF SECTION

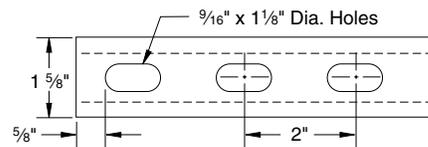
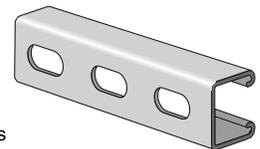
Weight (lbs./100 ft.)	Area of Section (Inch ²)	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyraton (Inch)	Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyraton (Inch)
140	0.411	0.051	0.086	0.353	0.158	0.194	0.619

PS 400 H - Channel with Holes



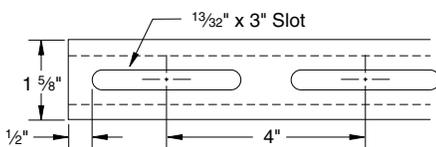
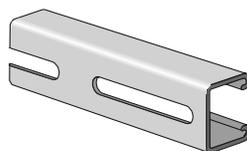
Weight: 136 lbs./100 ft.

PS 400 EH – Channel with Elongated Holes



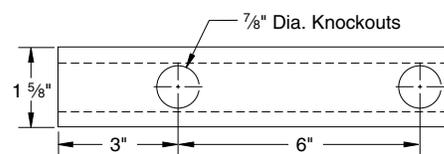
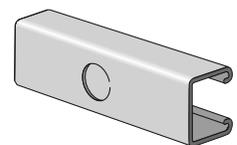
Weight: 136 lbs./100 ft.

PS 400 S - Channel with Slots



Weight: 136 lbs./100 ft.

PS 400 K06 – Channel with Knockouts



Weight: 140 lbs./100 ft.



Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

BEAM LOADING – PS 400

Span In	Max Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
			Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
24	720	0.09	720	720	560
36	480	0.19	480	370	250
48	360	0.35	280	210	140
60	290	0.54	180	130	90
72	240	0.78	120	90	60
84	210	1.06	90	70	50
96	180	1.38	70	50	30
108	160	1.75	60	40	30
120	140	2.16	40	30	20
132	130	2.61	40	30	20
144	120	3.11	30	20	20
156	110	3.64	30	20	NR
168	100	4.23	20	20	NR
180	100	4.85	NR	NR	NR

COLUMN LOADING – PS 400

Unbraced Height In	Maximum Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
		K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
24	2,245	7,830	7,305	6,685	6,160
36	1,960	6,760	6,160	5,120	3,880
48	1,630	5,920	4,690	3,150	2,190
60	1,300	4,590	3,150	2,020	**
72	1,050	3,320	2,190	**	**
84	850	2,440	1,610	**	**
96	KL/r > 200	1,870	**	**	**
108	KL/r > 200	1,470	**	**	**
120	KL/r > 200	**	**	**	**

Column loads are for allowable axial loads and must be reduced for eccentric loading.

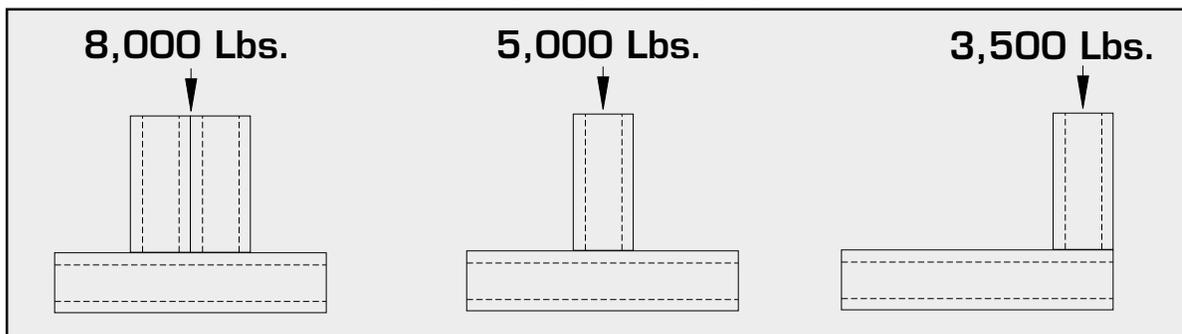
This load table is based on a solid channel section.

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-400-EH	15%
PS-400-S	15%
PS-400-H	10%
PS-400-K06	5%

PS 400 – Crush Loads



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

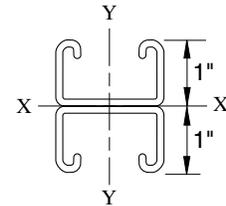
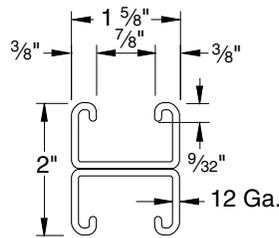
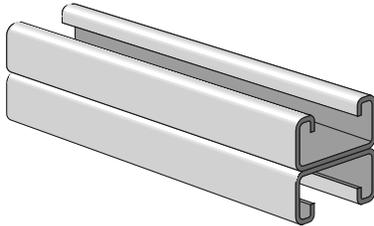
Pull Out Strength – 2,000 lbs. per bolt when ½" PS NS channel nuts are used.



CHANNEL

Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

PS 400 2T3 – Steel Channel (1⁵/₈" x 2" x 12 ga.)



ELEMENTS OF SECTION

Weight (lbs./100 ft.)	Area of Section (Inch ²)	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)	Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)
279	0.822	0.237	0.237	0.537	0.315	0.388	0.619

BEAM LOADING – PS 400 2T3

Span In	Max Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
			Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
24	1,920 *	0.05	1,920 *	1,920 *	1,920 *
36	1,320	0.12	1,320	1,320	1,150
48	990	0.20	990	970	650
60	790	0.32	790	620	410
72	660	0.46	580	430	290
84	570	0.63	420	320	210
96	500	0.82	320	240	160
108	440	1.04	260	190	130
120	400	1.28	210	160	100
132	360	1.55	170	130	90
144	330	1.84	140	110	70
156	310	2.16	120	90	60
168	280	2.51	110	80	50
180	260	2.88	90	70	50

*Load limited by spot weld shear.

For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8.

COLUMN LOADING – PS 400 2T3

Unbraced Height In	Maximum Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
		K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
24	4,280	17,670	17,220	16,690	16,120
36	4,050	16,750	16,120	14,620	12,980
48	3,720	15,640	14,090	11,840	9,580
60	3,350	13,950	11,840	9,030	6,490
72	2,980	12,130	9,580	6,490	4,500
84	2,610	10,270	7,450	4,770	3,310
96	2,260	8,490	5,700	3,650	**
108	1,970	6,820	4,500	**	**
120	1,740	5,530	3,650	**	**

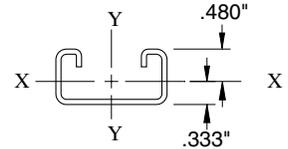
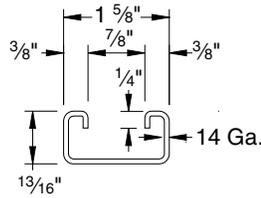
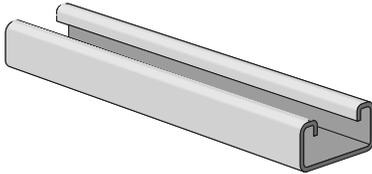
Column loads are for allowable axial loads and must be reduced for eccentric loading.

CHANNEL



Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

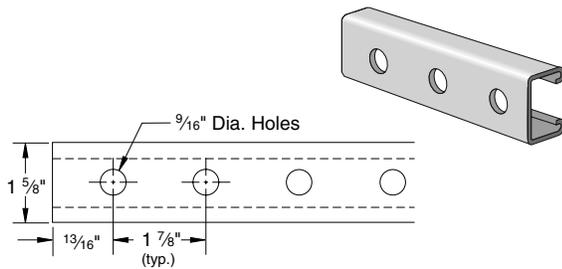
PS 500 – Steel Channel (1⁵/₈" x 1³/₁₆" x 14 ga.)



ELEMENTS OF SECTION

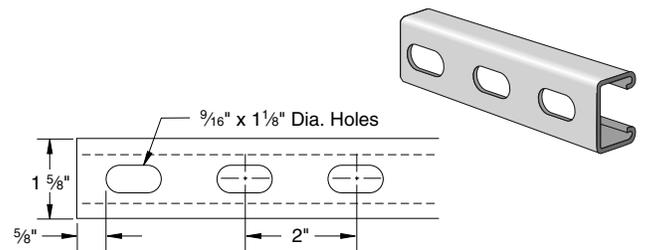
Weight (lbs./100 ft.)	Area of Section (Inch ²)	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)	Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)
98	0.287	0.025	0.053	0.298	0.106	0.131	0.609

PS 500 H - Channel with Holes



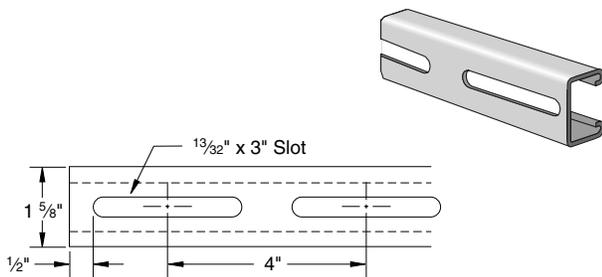
Weight: 87 lbs./100 ft.

PS 500 EH – Channel with Elongated Holes



Weight: 87 lbs./100 ft.

PS 500 S - Channel with Slots



Weight: 87 lbs./100 ft.



CHANNEL

Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

BEAM LOADING – PS 500

Span In	Max Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
			Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
24	440	0.11	440	410	270
36	300	0.24	240	180	120
48	220	0.43	140	100	70
60	180	0.68	90	70	40
72	150	0.98	60	50	30
84	130	1.33	40	30	20
96	110	1.74	30	30	20
108	100	2.20	30	20	10
120	90	2.71	20	20	10

This load table is based on a solid channel section.

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:

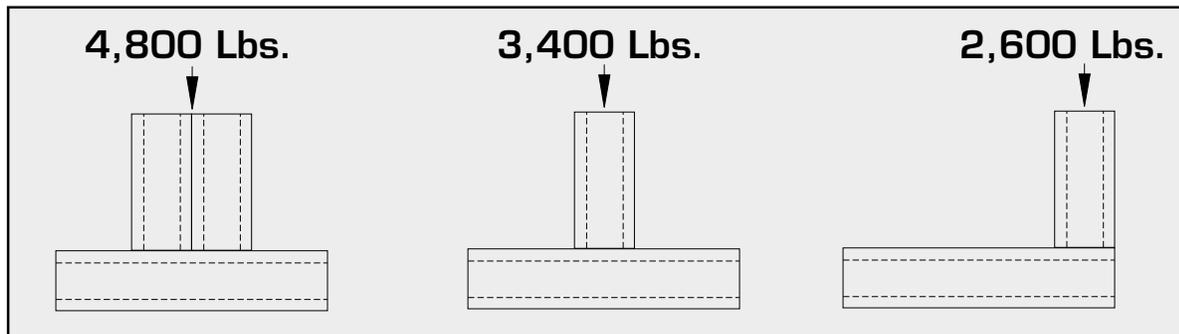
PS-500-EH	15%
PS-500-S	15%
PS-500-H	10%

COLUMN LOADING – PS 500

Unbraced Height In	Maximum Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
		K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
24	1,620	5,670	5,210	4,530	3,810
36	1,300	4,620	3,810	2,770	1,940
48	1,000	3,450	2,450	1,570	1,090
60	760	2,380	1,570	**	**
72	600	1,650	1,090	**	**

Column loads are for allowable axial loads and must be reduced for eccentric loading

PS 500 – Crush Loads



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

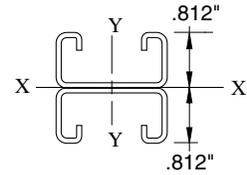
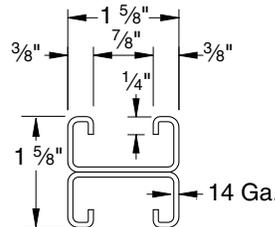
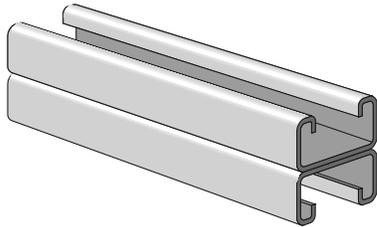
Pull Out Strength – 1,400 lbs. per bolt when ½" PS NS channel nuts are used.

CHANNEL



Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

PS 500 2T3 – Steel Channel (1⁵/₈" x 1⁵/₈" x 14 ga.)



ELEMENTS OF SECTION

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

BEAM LOADING – PS 500 2T3

Span <i>In</i>	Max Allowable Uniform Load <i>Lbs</i>	Defl. at Uniform Load <i>In</i>	Uniform Loading at Deflection		
			Span/180 <i>Lbs</i>	Span/240 <i>Lbs</i>	Span/360 <i>Lbs</i>
24	910 *	0.06	910 *	910*	910*
36	790	0.14	790	790	550
48	590	0.25	590	470	310
60	470	0.40	400	300	200
72	390	0.57	280	210	140
84	340	0.77	200	150	100
96	300	1.01	160	120	80
108	260	1.28	120	90	60
120	240	1.58	100	70	50

COLUMN LOADING – PS 500 2T3

Unbraced Height <i>In</i>	Maximum Allowable Load at Slot Face <i>Lbs</i>	Max. Column Load Applied at C.G.			
		<i>K = 0.65</i> <i>Lbs</i>	<i>K = 0.80</i> <i>Lbs</i>	<i>K = 1.0</i> <i>Lbs</i>	<i>K = 1.2</i> <i>Lbs</i>
24	3,040	12,440	11,980	11,250	10,420
36	2,780	11,350	10,420	9,050	7,620
48	2,460	9,980	8,580	6,680	4,900
60	2,130	8,460	6,680	4,520	3,140
72	1,800	6,910	4,900	3,140	2,180
84	1,520	5,440	3,600	2,310	**
96	1,290	4,180	2,760	**	**

Column loads are for allowable axial loads and must be reduced for eccentric loading.

*Load limited by spot weld shear.

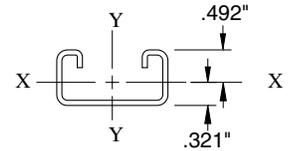
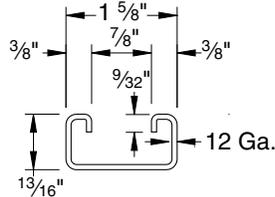
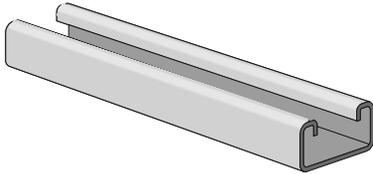
For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8.



CHANNEL

Finish: Plain, Painted Green, or Pregelvanized Order By: No., Length and Finish

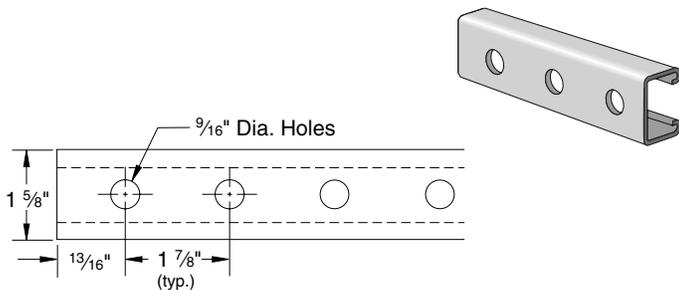
PS 520 – Steel Channel (1⁵/₈" x 1³/₁₆" x 12 ga.)



ELEMENTS OF SECTION

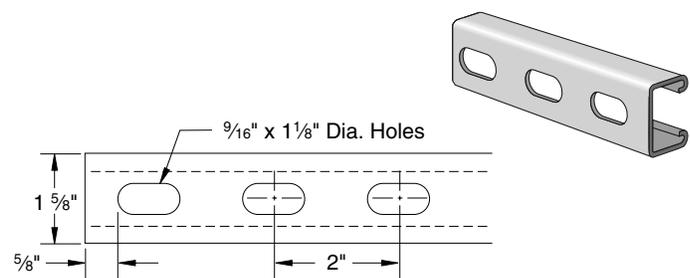
Weight (lbs./100 ft.)	Area of Section (Inch ²)	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)	Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)
126	0.371	0.030	0.061	0.284	0.135	0.166	0.602

PS 520 H - Channel with Holes



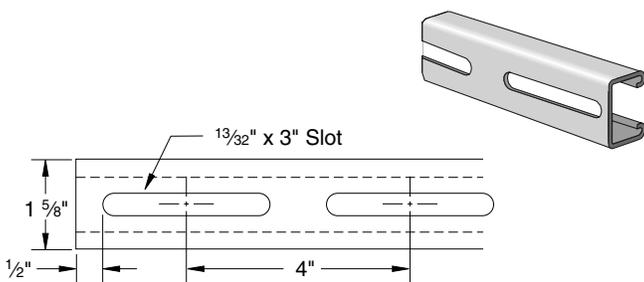
Weight: 120 lbs./100 ft.

PS 520 EH – Channel with Elongated Holes



Weight: 120 lbs./100 ft.

PS 520 S - Channel with Slots



Weight: 118 lbs./100 ft.



Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

BEAM LOADING – PS 520

Span In	Max Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
			Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
24	510	0.10	510	490	330
36	340	0.23	290	220	150
48	260	0.42	160	120	80
60	200	0.65	100	80	50
72	170	0.94	70	50	40
84	150	1.27	50	40	30
96	130	1.66	40	30	20
108	110	2.11	30	20	20
120	100	2.60	30	20	NR
132	90	3.15	20	20	NR
144	90	3.74	20	NR	NR
156	80	4.39	20	NR	NR
168	70	5.10	NR	NR	NR
180	70	5.85	NR	NR	NR

This load table is based on a solid channel section.

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:

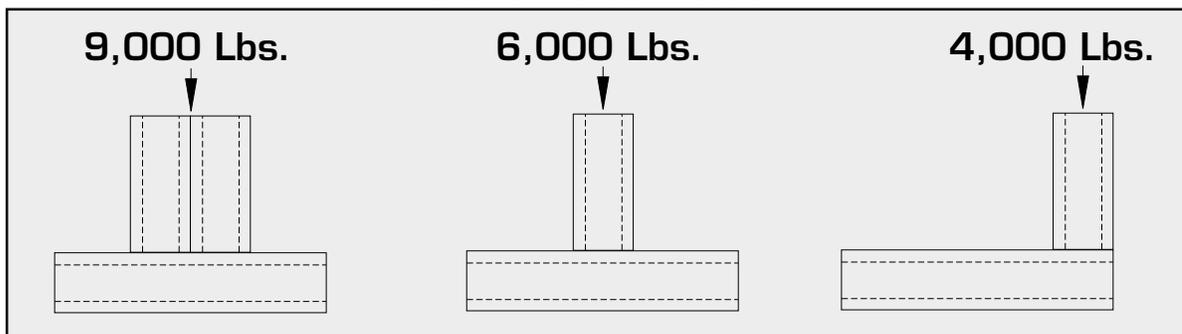
PS-520-EH	15%
PS-520-S	15%
PS-520-H	10%

COLUMN LOADING – PS 520

Unbraced Height In	Maximum Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
		K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
24	1,880	7,170	6,570	5,620	4,650
36	1,520	5,750	4,650	3,280	2,270
48	1,160	4,160	2,870	1,830	**
60	890	2,790	1,840	**	**
72	KL/r > 200	1,940	**	**	**
84	KL/r > 200	1,420	**	**	**
96	KL/r > 200	**	**	**	**
108	KL/r > 200	**	**	**	**
120	KL/r > 200	**	**	**	**

Column loads are for allowable axial loads and must be reduced for eccentric loading.

PS 520 – Crush Loads



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

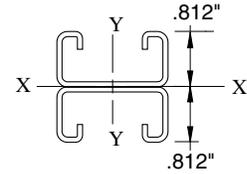
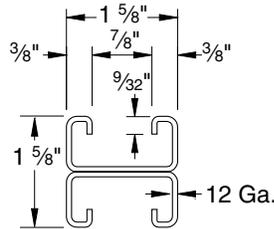
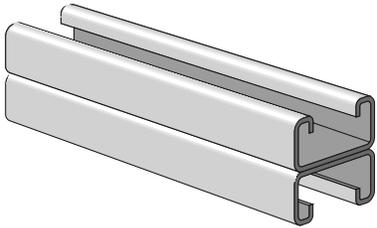
Pull Out Strength – 1,500 lbs. per bolt when 1/2" PS NS channel nuts are used.



CHANNEL

Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

PS 520 2T3 – Steel Channel (1⁵/₈" x 1⁵/₈" x 12 ga.)



ELEMENTS OF SECTION

Weight (lbs./100 ft.)	Area of Section (Inch ²)	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)	Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)
252	0.742	0.136	0.168	0.428	0.270	0.331	0.602

BEAM LOADING – PS 520 2T3

Span <i>In</i>	Max Allowable Uniform Load <i>Lbs</i>	Defl. at Uniform Load <i>In</i>	Uniform Loading at Deflection		
			Span/180 <i>Lbs</i>	Span/240 <i>Lbs</i>	Span/360 <i>Lbs</i>
24	1,410	0.06	1,410	1,410	1,410
36	940	0.14	940	940	660
48	700	0.25	700	560	370
60	560	0.39	480	360	240
72	470	0.57	330	250	170
84	400	0.77	240	180	120
96	350	1.01	190	140	90
108	310	1.28	150	110	70
120	280	1.58	120	90	60
132	260	1.91	100	70	50
144	230	2.27	80	60	40
156	220	2.67	70	50	40
168	200	3.10	60	50	nr
180	190	3.55	50	40	nr

COLUMN LOADING – PS 520 2T3

Unbraced Height <i>In</i>	Maximum Allowable Load at Slot Face <i>Lbs</i>	Maximum Column Load Applied at C.G.			
		<i>K = 0.65</i> <i>Lbs</i>	<i>K = 0.80</i> <i>Lbs</i>	<i>K = 1.0</i> <i>Lbs</i>	<i>K = 1.2</i> <i>Lbs</i>
24	3,690	15,910	15,350	14,340	13,190
36	3,360	14,470	13,190	11,310	9,370
48	2,960	12,560	10,640	8,090	5,800
60	2,550	10,500	8,110	5,360	3,720
72	2,150	8,420	5,820	3,720	**
84	1,810	6,480	4,280	2,740	**
96	1,540	4,960	3,270	**	**
108	KL/ <i>r</i> >200	3,920	**	**	**
120	KL/ <i>r</i> >200	3,170	**	**	**

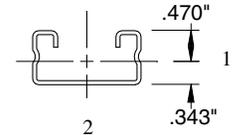
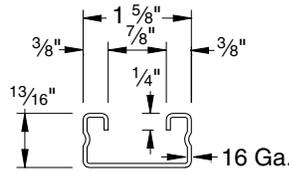
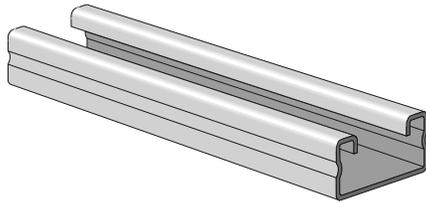
Column loads are for allowable axial loads and must be reduced for eccentric loading.

For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8.



Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

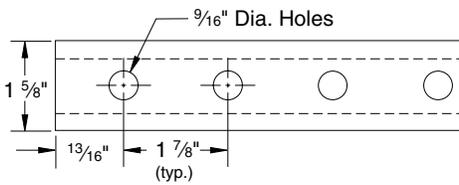
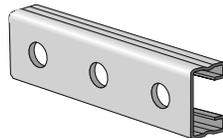
PS 560 – Steel Channel (1⁵/₈" x 1³/₁₆" x 16 ga.)



ELEMENTS OF SECTION

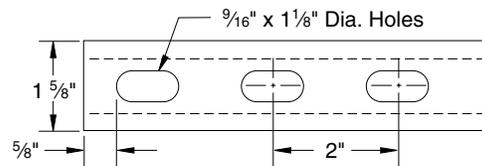
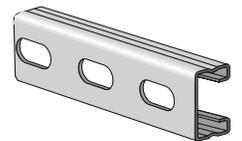
Weight (lbs./100 ft.)	Area of Section (Inch ²)	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)	Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)
81	0.239	0.023	0.048	0.308	0.091	0.112	0.617

PS 560 H - Channel with Holes



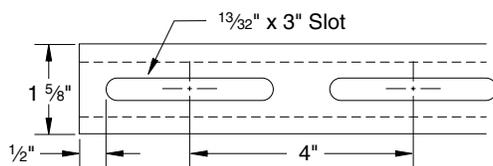
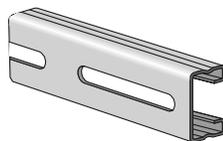
Weight: 79 lbs./100 ft.

PS 560 EH – Channel with Elongated Holes



Weight: 79 lbs./100 ft.

PS 560 S - Channel with Slots



Weight: 79 lbs./100 ft.



CHANNEL

Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

BEAM LOADING – PS 560

Span In	Max Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
			Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
24	400	0.11	400	380	250
36	270	0.24	220	170	110
48	200	0.43	130	90	60
60	160	0.67	80	60	40
72	130	0.96	60	40	30
84	110	1.31	40	30	20
96	100	1.71	30	20	20
108	90	2.16	20	20	10
120	80	2.67	20	20	10

COLUMN LOADING – PS 560

Unbraced Height In	Maximum Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
		K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
24	1,420	4,480	4,000	3,320	2,640
36	1,110	3,410	2,640	1,760	1,220
48	810	2,320	1,540	990	690
60	600	1,500	990	630	**
72	470	1,040	690	**	**

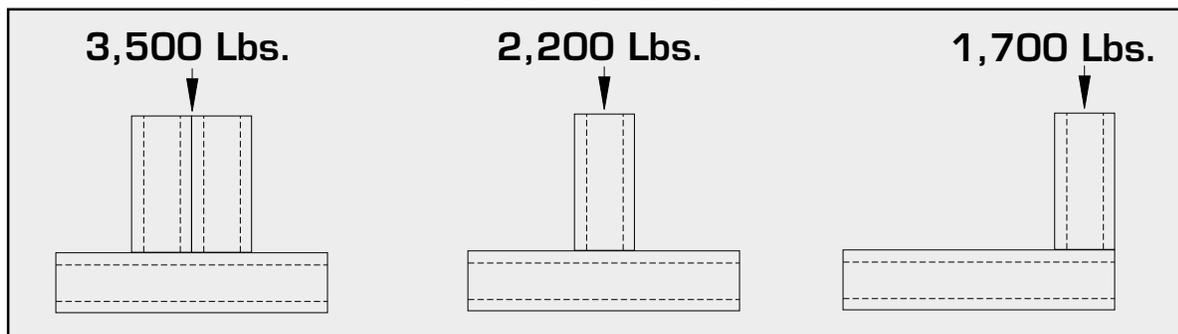
Column loads are for allowable axial loads and must be reduced for eccentric loading.

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.

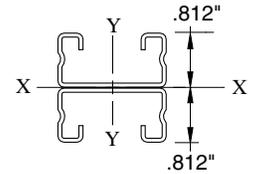
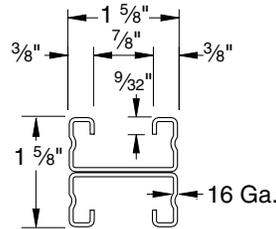
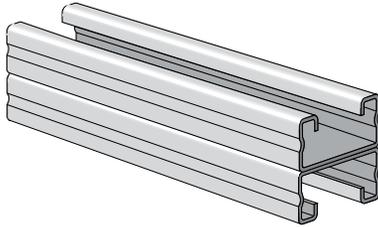
Pull Out Strength – 1,000 lbs. per bolt when ½" PS NS channel nuts are used.

CHANNEL



Finish: Plain, Painted Green, or Pregalvanized Order By: No., Length and Finish

PS 560 2T3 – Steel Channel (1⁵/₈" x 1⁵/₈" x 16 ga.)



ELEMENTS OF SECTION

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

BEAM LOADING – PS 560 2T3

Span <i>In</i>	Max Allowable Uniform Load <i>Lbs</i>	Defl. at Uniform Load <i>In</i>	Uniform Loading at Deflection		
			Span/180 <i>Lbs</i>	Span/240 <i>Lbs</i>	Span/360 <i>Lbs</i>
24	690 *	0.06	690 *	690 *	690 *
36	690 *	0.14	690 *	690 *	490
48	520	0.25	520	410	280
60	420	0.40	350	260	180
72	350	0.57	250	180	120
84	300	0.78	180	140	90
96	260	1.01	140	100	70
108	230	1.28	110	80	50
120	210	1.58	90	70	40

*Load limited by spot weld shear.

For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8.

COLUMN LOADING – PS 560 2T3

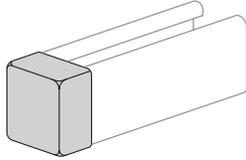
Unbraced Height <i>In</i>	Maximum Allowable Load at Slot Face <i>Lbs</i>	Maximum Column Load Applied at C.G.			
		<i>K = 0.65</i> <i>Lbs</i>	<i>K = 0.80</i> <i>Lbs</i>	<i>K = 1.0</i> <i>Lbs</i>	<i>K = 1.2</i> <i>Lbs</i>
24	2660	10270	9950	9460	8800
36	2430	9540	8800	7710	6550
48	2160	8450	7320	5780	4320
60	1880	7230	5780	3990	2770
72	1600	5970	4320	2770	1920
84	1350	4760	3180	2030	**
96	1150	3680	2430	**	**
108	980	2910	1920	**	**

Column loads are for allowable axial loads and must be reduced for eccentric loading.



CHANNEL

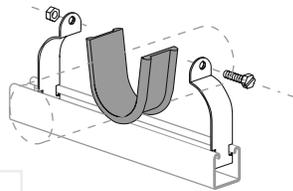
PS 6153 - Strut Safety End Cap (For OSHA Req'd End of Hand Rail)



Part No.	Use With	Wt./ 100 pcs.
PS-6153-1	PS-100, PS200 2T3	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

Material: Red Colored PVC

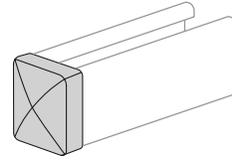
PS 3792 - Power Wrap™



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

Weight: 253 lbs./100 boxes

PS 6152 - Decorative End Cap



Finish: Electro-galvanized
 Use With: PS-200, PS-210

Weight: 10 lbs./100 pcs.

PS 9050 - Green Touch-up Spray Paint



Aerosol can may be subject to shipping restrictions

Weight: 253 lbs./100 boxes

Maximum Allowable Pull-Out and Slip Loads

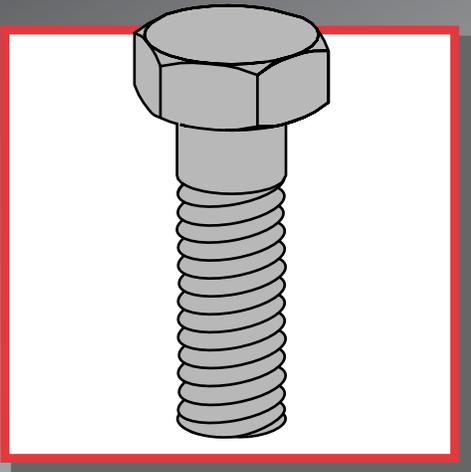
Channel Nut Size-Thread	Allowable Gauge Channel	Pull-Out Strength (Lbs.)	Resistance to Slip (Lbs.)	Torque Ft.-Lbs.
3/4"-10		2,500	1,700	*125
5/8"-11	12 Gauge	2,500	1,500	*100
1/2"-13	PS 100	2,000	1,500	50
7/16"-14	PS 150	1,400	1,000	35
3/8"-16	PS 200	1,000	800	19
5/16"-18	PS 300	800	500	11
1/4"-20		600	300	6
1/2"-13	12 Gauge	1,500	1,500	50
3/8"-16	PS 400	1,000	800	19
5/16"-18	PS 520	800	500	11
1/4"-20		600	300	6

Channel Nut Size-Thread	Allowable Gauge Channel	Pull-Out Strength (Lbs.)	Resistance to Slip (Lbs.)	Torque Ft.-Lbs.
1/2"-13	14 Gauge	1,400	1,000	50
3/8"-16	PS 210	1,000	750	19
5/16"-18	PS 520	800	400	11
1/4"-20		600	300	6
1/2"-13	16 Gauge	1,000	1,000	50
3/8"-16	PS 560	1,000	750	19
5/16"-18		800	400	11
1/4"-20		600	300	6

* May require 3/8" or 1/2" thick fitting.

Nut design loads include a minimum safety factor of 3.

Note: Refer to the Channel Nut Selection Chart on page 56 for the part number



FASTENERS

Power-Strut Clamping Nuts are cold formed, with two grooves, each with six sharp teeth and then case hardened. These sharp hardened teeth bite into the inturned edges of the Power-Strut channel forming a strong vise-like connection giving greater strength and resistance to slippage.

MATERIAL:

Channel clamping nuts meet ASTM A576 GR1015M, and are case hardened. Hex head bolts meet SAE J429 GR 2 and ASTM A307. Square and hex nuts meet ASTM A563 GR A.

SCREW THREADS DATA:

All Power-Strut nuts and bolts are manufactured to meet the Unified Screw Threads standard, ANSI B1.1, Coarse Series UNC, class 2. Continuous Threaded Rod: Meets ASTM A-510.

STANDARD FINISH:

All fasteners have an electro-galvanized finish.

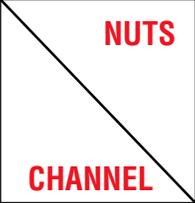
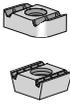
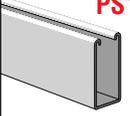
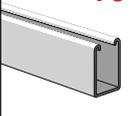
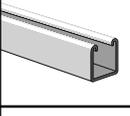
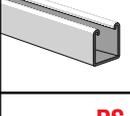
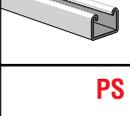
RECOMMENDED TORQUE:

Bolt Size	1/4"-20	5/16"-18	3/8"-16	1/2"-13
Foot Pounds	6	11	19	50



FASTENERS

Channel Nut Selection Chart

 NUTS CHANNEL	 PS LS	 PS SS	 PS RS	 PS NS	 PS NS S	 PS 517	 PS TG	 PS 3281	 PS 3500
	 PS100	✓			✓			✓	✓
 PS 150	✓			✓			✓	✓	
 PS 200			✓	✓		✓	✓	✓	✓
 PS 210			✓	✓		✓	✓	✓	✓
 PS 300			✓	✓		✓	✓	✓	✓
 PS 400		✓		✓	✓		✓	✓	
 PS 500		✓		✓*	✓		✓	✓	
 PS 520		✓		✓*	✓		✓	✓	
 PS 560		✓		✓*	✓		✓	✓	

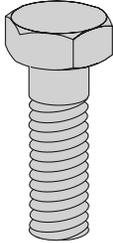
✓ Indicates Nuts To Be Used With The Channel

* 3/8" or smaller



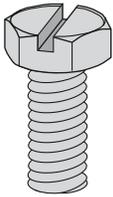
Finish: Electro-galvanized Order By: No. and Size and Finish

PS 6024 – Hex Head Cap Screw



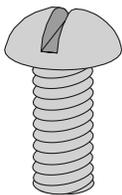
Size	Wt./100 pcs
1/4 x 3/4"	1.5
1/4 x 1"	1.8
1/4 x 1 1/4"	2.1
1/4 x 1 1/2"	2.4
3/8 x 3/4"	3.6
3/8 x 1"	4.2
3/8 x 1 1/4"	4.9
3/8 x 1 1/2"	5.6
3/8 x 2"	7.2
1/2 x 3/4"	8.1
1/2 x 1"	9.2
1/2 x 1 1/4"	10.4
1/2 x 1 1/2"	11.6
1/2 x 1 3/4"	13.0
1/2 x 2"	14.4

PS 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 6072 – Round Head Machine Screw



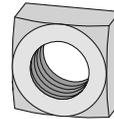
Size	Wt./100 pcs
1/4 x 3/4"	1.3
1/4 x 1"	1.6
1/4 x 1 1/4"	1.9
3/8 x 1"	4.4
3/8 x 1 1/4"	5.0
3/8 x 1 1/2"	5.6

PS 83 – Hexagon Nut



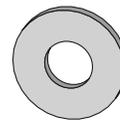
Size	Wt./100	pcs
1/4"	0.7	
3/8"	1.6	
1/2"	3.8	
5/8"	7.3	
3/4"	11.9	

PS 6108 – Square Nut



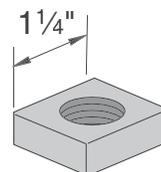
Size	Wt./100 pcs
1/4"	.9
5/16"	1.6
3/8"	2.6
1/2"	5.8

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 6112 - Oversize Square Nut



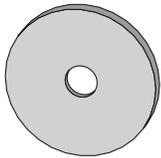
Size	Wt./100 pcs
1/4"-20	13
3/8"-16	14
1/2"-13	14
5/8"-11	12
3/4"-16	11
7/8"-11	10



FASTENERS

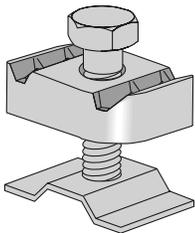
Finish: Electro-galvanized **Order By:** No. and Size and Finish

PS 230 – Fender Washer



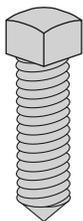
Size	Wt./100 pcs
1/4"	3.3
3/8"	3
1/2"	2.8

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



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

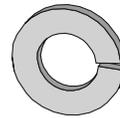
PS 6064 – Square Head Cone Point Set Screw



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

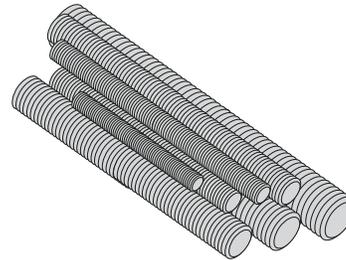
Hanger rod stiffener assembly for 3/8" thru 5/8" threaded rod.

PS 211 – Lock Washer



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

PS 146 – Continuous Thread Rod

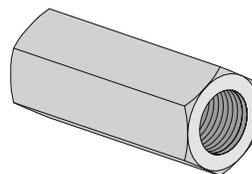


Rod Size	Max Load Lbs.	Wt./100 pcs.	
		6' Lengths	10' Lengths
1/4"	240	73	121
3/8"	610	175	292
1/2"	1,130	319	531
5/8"	1,810	504	840
3/4"	2,710	740	1,234

Finish: Plain or Electro-galvanized

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

PS 135 – Rod Coupling

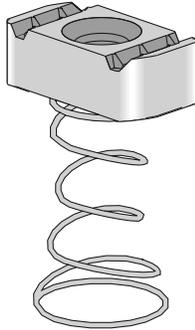


Rod Size	Max Load lbs.	Wt./ 100 pcs.
1/4"	240	2
3/8"	610	9
1/2"	1,130	10
5/8"	1,810	18
3/4"	2,710	28



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

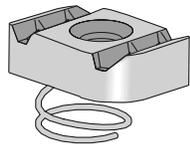
PS LS – Clamping Nut with Long Spring



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 SS – Clamping Nut with Short Spring

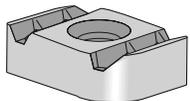


Size	Threads	Wt./100 pcs
#8-32	32	7.0
#10-24	24	7.0
#10-32	32	7.0
1/4"	20	6.9
5/16"	18	6.7
3/8"	16	9.6
1/2"	13*	8.8
5/8"	11*	11.5
3/4"	10*	10.0

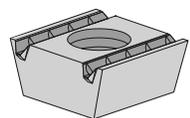
Use With: PS 400, PS 500 and PS 520 channel.

*PS SS 1/2" and PS SS 5/8" nuts have 3/8" body thickness.

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

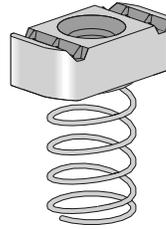


Size	Threads	Wt./100 pcs
5/8"	11	15.2
3/4"	10	13.0
7/8"	9	14.0

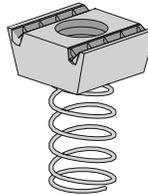
Use With: PS 100, PS 150, PS 200, PS 210 and PS 300 channel.

*Can be used with PS 400, PS 500, PS 520 and PS 560 channel.

PS RS – Clamping Nut with Long Spring



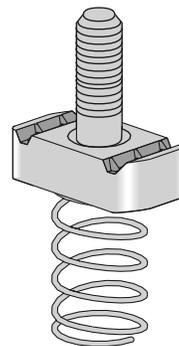
Size	Threads	Wt./100 pcs
#10-24	24	7.2
#10-32	32	7.2
1/4"	20	7.1
5/16"	18	7.0
3/8"	16	9.9
1/2"	13	11.9



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.

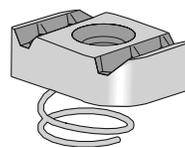
PS 517 – Channel Nut with Stud



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 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

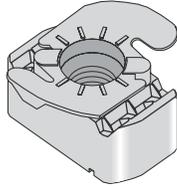
Use With: PS 500 and PS 520 channel.



FASTENERS

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

PS TG – Top Grip™ Nut

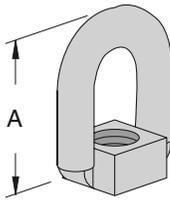


Part No.	Size	Threads	Wt./100 pcs
PSTG 1/4	1/4"	20	7
PSTG 3/8	3/8"	16	10
PSTG 1/2*	1/2"	13	8

Use With: All 1 5/8" Channel.

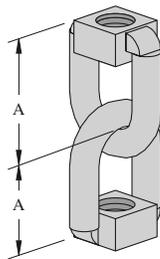
*PS TG 1/2" nut has a 3/8" body thickness

PS 202 – Eyelet



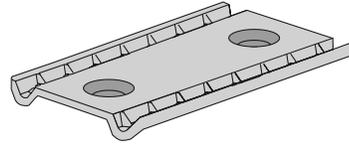
Rod Size	A	Stock Dia.	Max. Load lbs.	Wt./100 pcs
3/8"	1 3/4"	3/8"	610	15
1/2"	1 3/4"	3/8"	610	18

PS 204 – Linked Eyelets



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

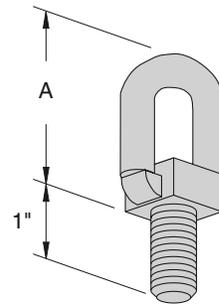
PS 3281 – Double Conveyor Adjusting Nut



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

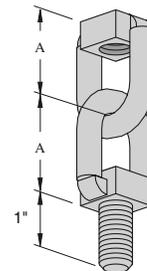
Use With: All 1 5/8" channel.

PS 205 – Eyelet with Stud

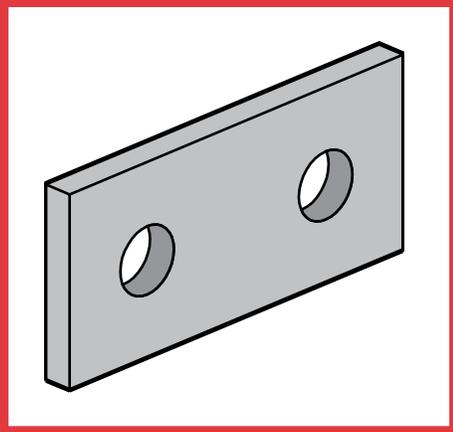


Rod Size	A	Stock Dia.	Max. Load lbs.	Wt./100 pcs
3/8"	1 13/16"	3/8"	610	16
1/2"	1 3/4"	3/8"	610	20

PS 203 – Linked Eyelet with Stud



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



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 A575 and A-576, or ASTM A-36.

STANDARD DIMENSIONS:

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

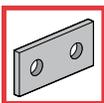
Fitting Thickness:	1/4"
Fitting Width:	1 5/8"
Hole Diameter:	9/16"
Hole Spacing:	1 7/8" on centers and 1 3/16" from ends.

STANDARD FINISH:

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

ORDERING INFORMATION:

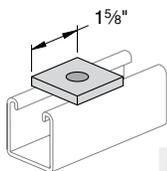
When ordering, add the length or size and finish to the part number. See pages 8-10 for finish abbreviations and an example.



FITTINGS

Finish: Painted Green or Electro-galvanized Order By: No., Size and Finish

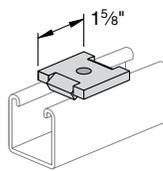
PS 619 – Square Washer



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

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

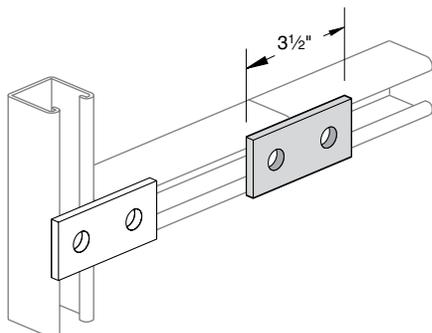
PS 2504 – Guided Square Washer



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

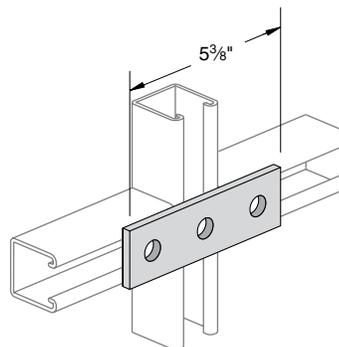
Note: Indicate rod size when ordering.
For example, PS 2504 1/2.

PS 601 – Two-Hole Splice Plate



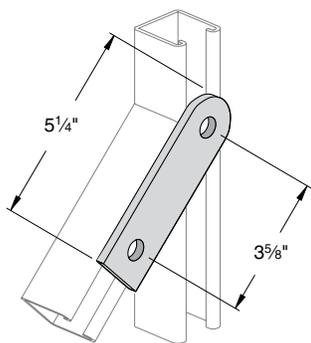
Weight/100 pcs: 38 lbs.

PS 602 – Three-Hole Splice Plate



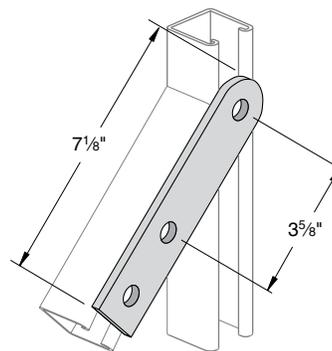
Weight/100 pcs: 50 lbs.

PS 618 – Two-Hole Swivel Plate

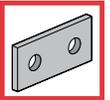


Weight/100 pcs: 55 lbs.

PS 617 – Three-Hole Swivel Plate

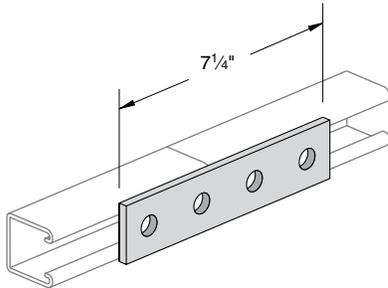


Weight/100 pcs: 75 lbs.



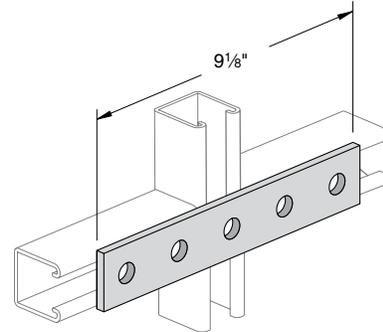
Finish: Painted Green or Electro-galvanized Order By: No., Size and Finish

PS 888 – Four-Hole Splice plate



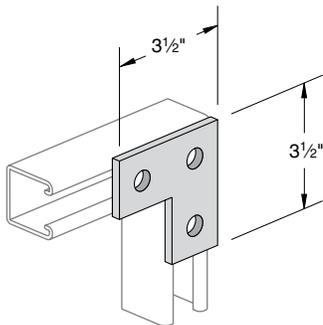
Weight/100 pcs: 78 lbs.

PS 889 – Five-Hole Splice Plate



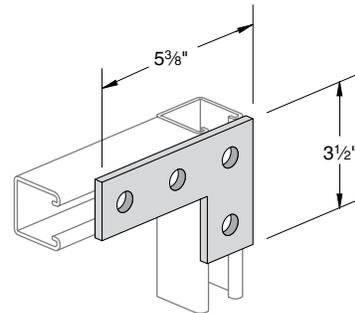
Weight/100 pcs: 94 lbs.

PS 718 – Flat Angle Plate



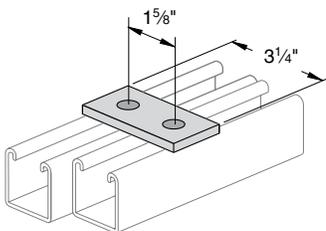
Weight/100 pcs: 58 lbs.

PS 719 – Flat Angle Plate



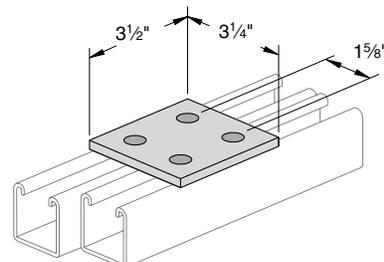
Weight/100 pcs: 80 lbs.

PS 620 – Two-Hole Connecting Plate

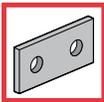


Weight/100 pcs: 35 lbs.

PS 621 – Four-Hole Connecting Plate



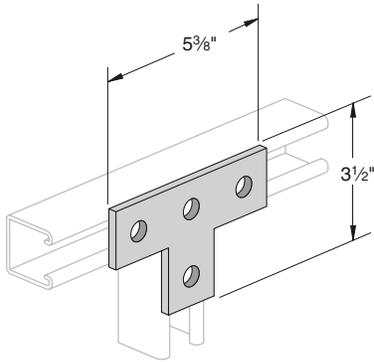
Weight/100 pcs: 73 lbs.



FITTINGS

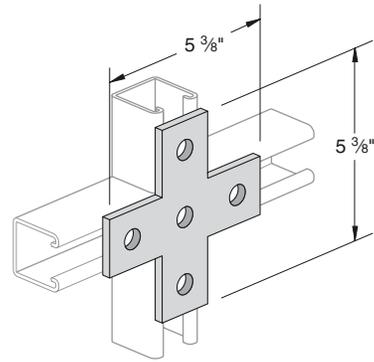
Finish: Painted Green or Electro-galvanized Order By: No., Size and Finish

PS 714 – Tee Plate



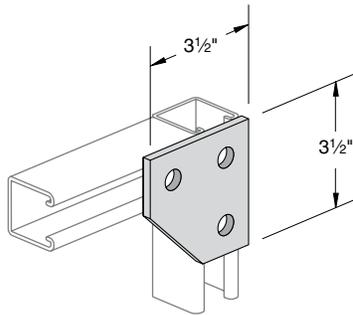
Weight/100 pcs: 80 lbs.

PS 712 – Cross Plate



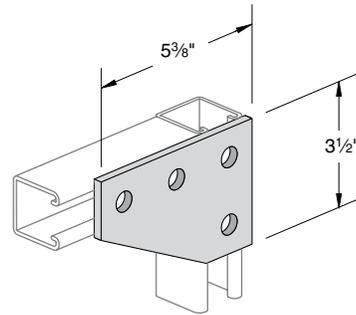
Weight/100 pcs: 105 lbs.

PS 744 – Flat Corner Connector



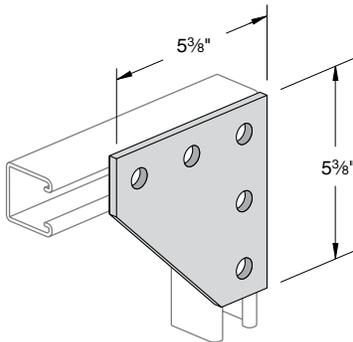
Weight/100 pcs: 70 lbs.

PS 750 – Four-Hole Corner Connector



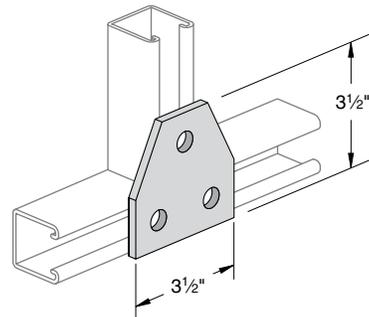
Weight/100 pcs: 105 lbs.

PS 2190 – Flat Corner Connector

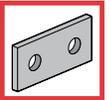


Weight/100 pcs: 150 lbs.

PS 925 – Three-Hole Joint Connector

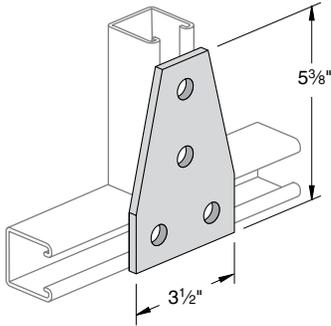


Weight/100 pcs: 70 lbs.



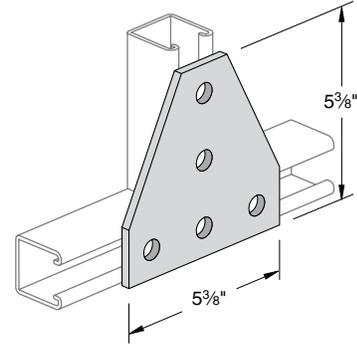
Finish: Painted Green or Electro-galvanized Order By: No., Size and Finish

PS 747 – Symmetrical Four-Hole Connector



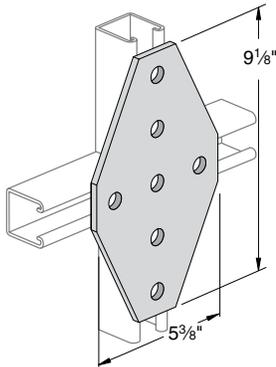
Weight/100 pcs: 105 lbs.

PS 854 – Flat Connector



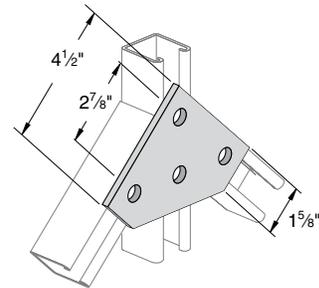
Weight/100 pcs: 148 lbs.

PS 2112 – Cross Connector



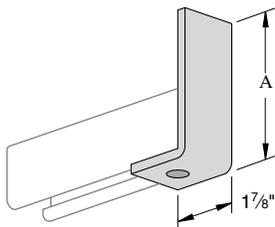
Weight/100 pcs: 240 lbs.

PS 822 – Double 45° Connector



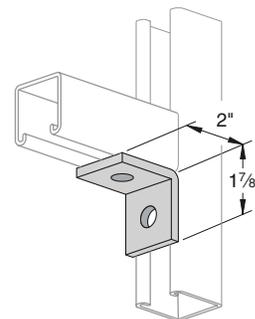
Weight/100 pcs: 112 lbs.

PS 921 – One-Hole Angle

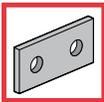


A	Wt./100 pcs
3 7/8"	61
5 7/8"	84
7 7/8"	107
9 7/8"	130

PS 603 – Two-Hole End Angle



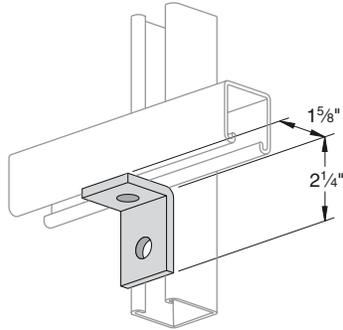
Weight/100 pcs: 38 lbs.



FITTINGS

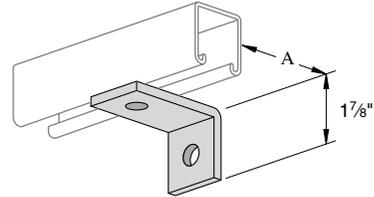
Finish: Painted Green or Electro-galvanized Order By: No., Size and Finish

PS 604 – Two-Hole Corner Angle



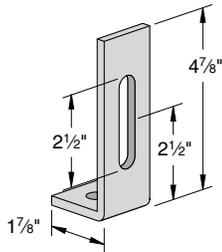
Weight/100 pcs: 38 lbs.

PS 2144 – Corner Angle



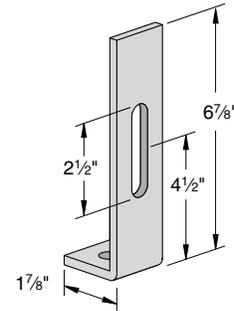
A	Wt./100 pcs
3"	49
3 1/2"	54
4"	61

PS 763 – Slotted Adjustment Angle



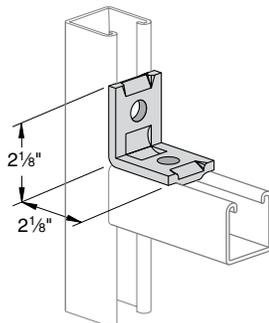
Weight/100 pcs: 65 lbs.

PS 764 – Slotted Adjustment Angle



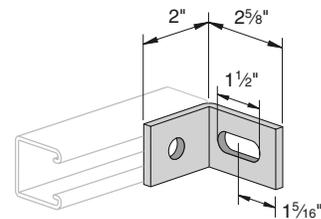
Weight/100 pcs: 85 lbs.

PS 806 – Self-Aligning Two-Hole Angle

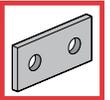


Weight/100 pcs: 40 lbs.

PS 2520 – Slotted 90° Angle

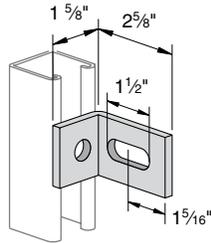


Weight/100 pcs: 42 lbs.



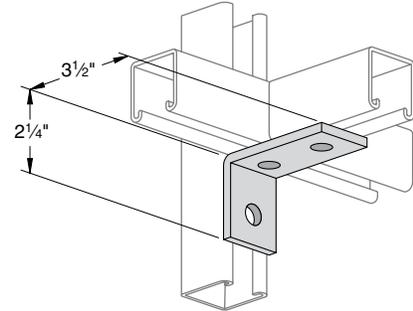
Finish: Painted Green or Electro-galvanized Order By: No., Size and Finish

PS 2545 – Slotted 90° Angle



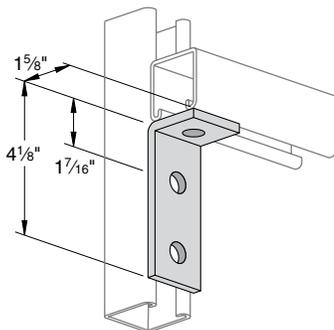
Weight/100 pcs: 38 lbs.

PS 605 – Three-Hole Corner Angle



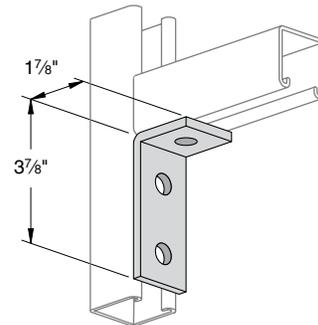
Weight/100 pcs: 58 lbs.

PS 606 – Three-Hole Corner Angle



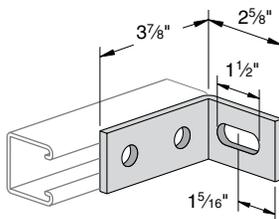
Weight/100 pcs: 58 lbs.

PS 745 – Three-Hole Corner Angle



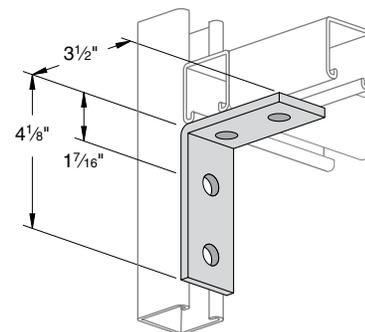
Weight/100 pcs: 58 lbs.

PS 3049 – Two-Hole Slotted 90° Angle

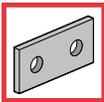


Weight/100 pcs: 66 lbs.

PS 607 – Four-Hole Corner Angle



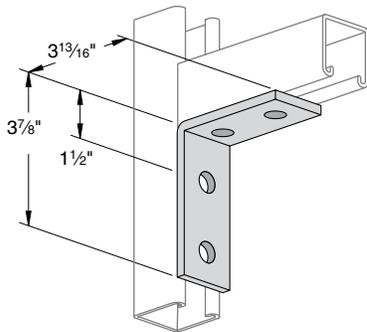
Weight/100 pcs: 78 lbs.



FITTINGS

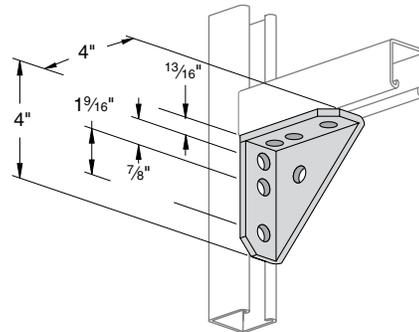
Finish: Painted Green or Electro-galvanized Order By: No., Size and Finish

PS 660 – Four-Hole Corner Angle



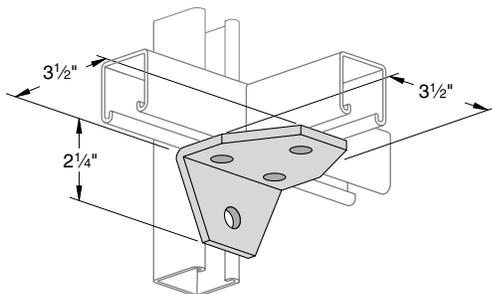
Weight/100 pcs: 78 lbs.

PS 3373 – Universal Corner Connector



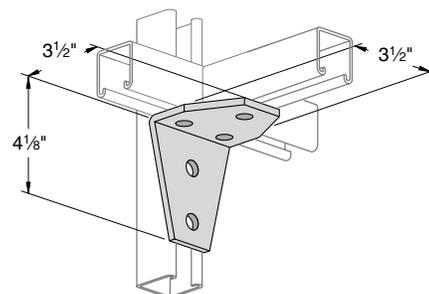
Weight/100 pcs: 134 lbs.

PS 614 – Four-Hole Joint Angle Connector



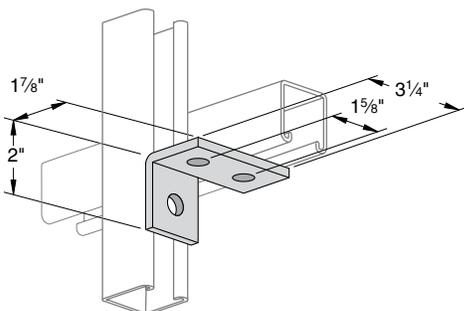
Weight/100 pcs: 103 lbs.

PS 615 – Five-Hole Joint Angle Connector



Weight/100 pcs: 135 lbs.

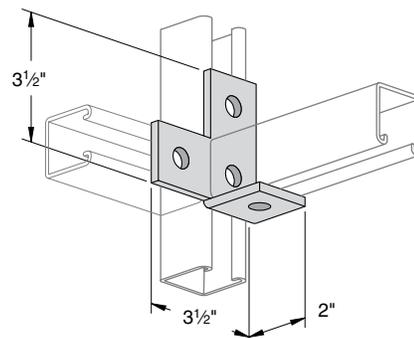
PS 720 R OR L – Angle Plate Connector



NOTE: Specify R (Right) or L (Left)
Right Hand Illustrated

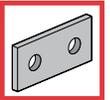
Weight/100 pcs: 55 lbs.

PS 716 R OR L – Angle Tee Plate



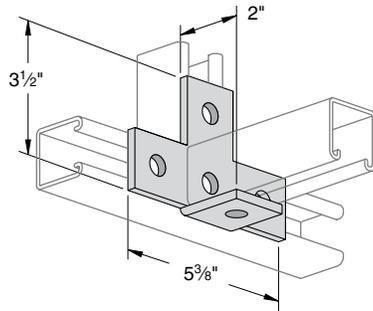
NOTE: Specify R (Right) or L (Left)
Right Hand Illustrated

Weight/100 pcs: 80 lbs.



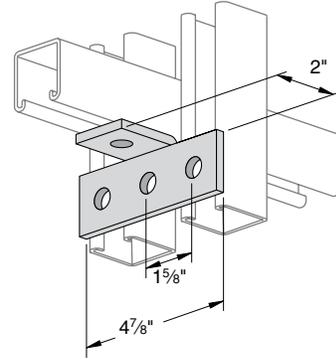
Finish: Painted Green or Electro-galvanized Order By: No., Size and Finish

PS 713 – Cross Plate Angle



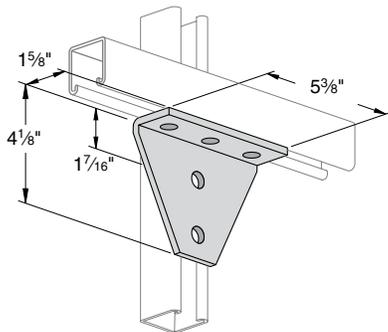
Weight/100 pcs: 105 lbs.

PS 715 – Tee Plate 90° Angle



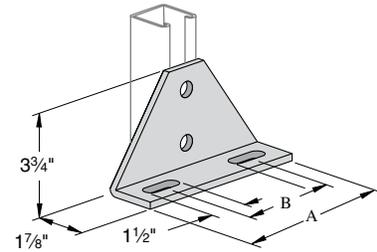
Weight/100 pcs: 71 lbs.

PS 927 – Five-Hole Corner Connector



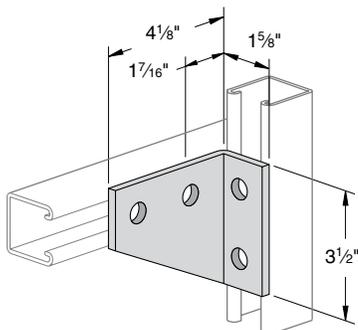
Weight/100 pcs: 154 lbs.

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

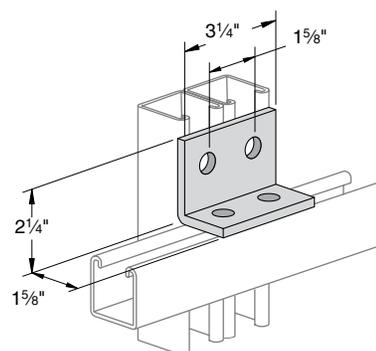
PS 752 R or L – Four-Hole Corner Connector



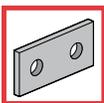
NOTE: Specify R (Right) or L (Left)
Right Hand Illustrated

Weight/100 pcs: 105 lbs.

PS 622 – Four-Hole Corner Connector



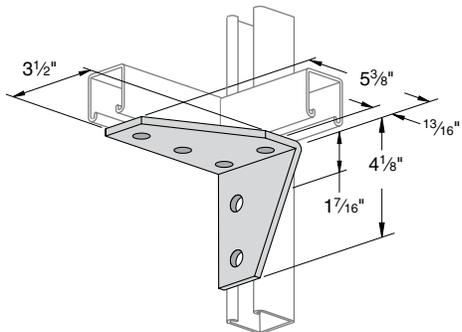
Weight/100 pcs: 75 lbs.



FITTINGS

Finish: Painted Green or Electro-galvanized Order By: No., Size and Finish

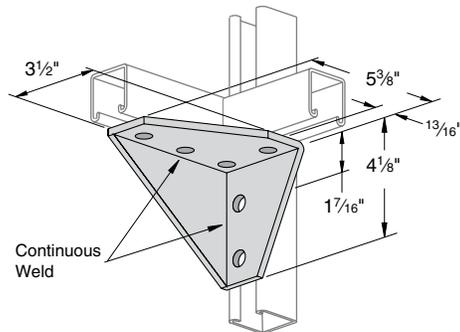
PS 2007 R or L – Six-Hole Corner Connector



NOTE: Specify R (Right) or L (Left)
Right Hand Illustrated

Weight/100 pcs: 160 lbs.

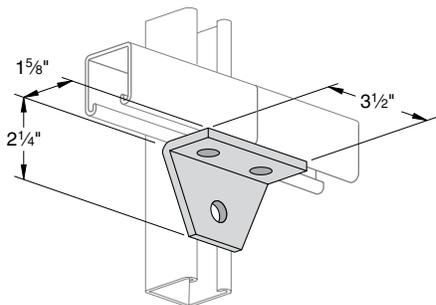
PS 3326 R or L – Six-Hole Gussetted Corner Connector



NOTE: Specify R (Right) or L (Left)
Right Hand Illustrated

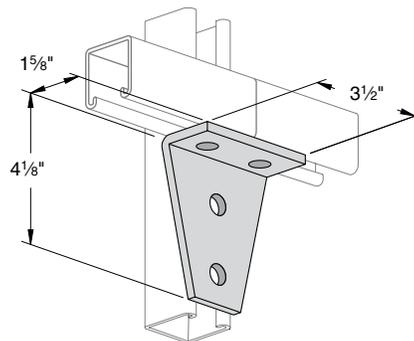
Weight/100 pcs: 230 lbs.

PS 746 – Three-Hole Corner Joint Connector



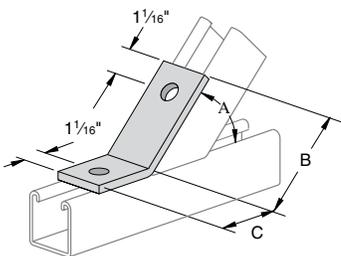
Weight/100 pcs: 70 lbs.

PS 748 – Four-Hole Corner Joint Connector



Weight/100 pcs: 105 lbs.

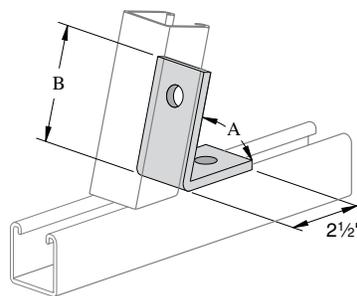
PS 633 – Two-Hole Open Angle Connector



"A" Degree	"B" In.	"C" In.
82½°	3 9/16	1 11/16
75°	3 9/16	1 11/16
67½°	3 1/2	1 3/4
60°	3 3/8	1 7/8
52½°	3 1/4	2 1/16
45°	3	2 5/16
37½°	2 11/16	2 5/8
30°	3 1/4	2 1/16
22½°	3 5/16	2 1/16
15°	3 9/16	2 1/16
7½°	3 9/16	2 1/16

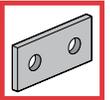
Weight/100 pcs: 58 lbs.

PS 624 – Two-Hole Closed Angle Connector



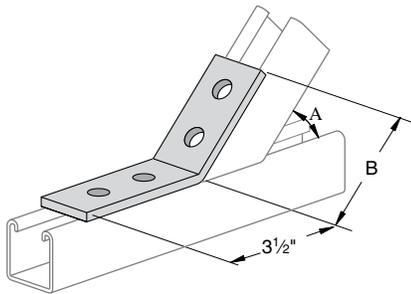
"B" In.	"A" Angle
3"	37½°
3 1/8"	45°
3 1/16"	52½°
3 1/8"	60°
3 1/8"	67½°
3 3/16"	75°
3 3/16"	82½°

Weight/100 pcs: 58 lbs.



Finish: Painted Green or Electro-galvanized Order By: No., Size and Finish

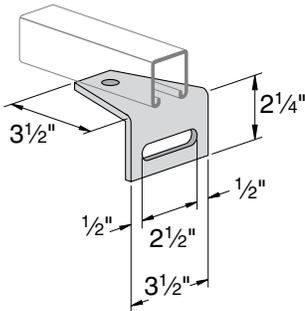
PS 781 – Four-Hole Open Angle Connector



"A" Angle	"B" In.
7½°	3¾"
15°	3¾"
22½°	3¾"
30°	3 ¹¹ / ₁₆ "
37½°	3 ¹¹ / ₁₆ "
45°	3 ¹¹ / ₁₆ "
52½°	3 ¹¹ / ₁₆ "
60°	3 ¹¹ / ₁₆ "
67½°	3 ⁵ / ₈ "
75°	3 ⁵ / ₈ "
82½°	3 ⁵ / ₈ "

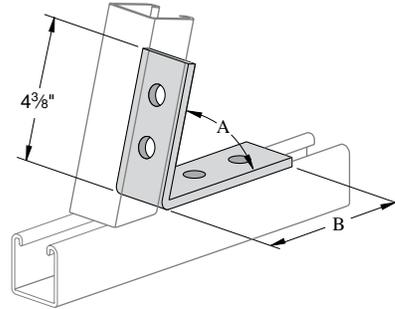
Weight/100 pcs: 78 lbs.

PS 2113 – Slotted Corner Connector



Weight/100 pcs: 97 lbs.

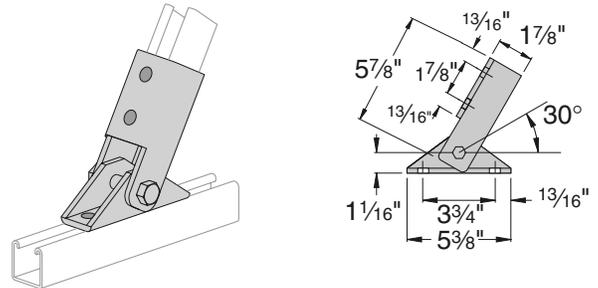
PS 793 – Four-Hole Closed Angle Connector



"A" Angle	"B" In.
37½°- 47°	4 ⁷ / ₈ "
45°-	4 ¹⁵ / ₁₆ "
52½°-	4 ¹⁵ / ₁₆ "
60° -	5"
67½°	5 ¹ / ₁₆ "
75°	5 ¹ / ₁₆ "
82½°	5 ¹ / ₁₆ "

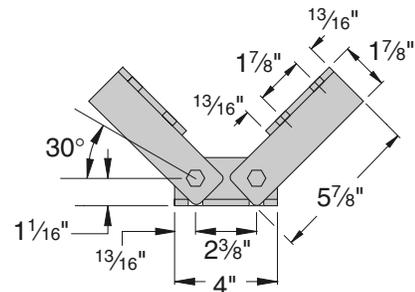
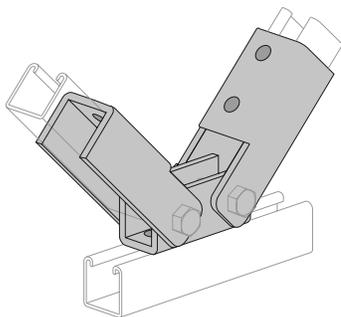
Weight/100 pcs: 100 lbs.

PS 9400 – Adjustable Brace

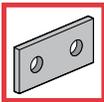


Weight/100 pcs: 307 lbs.

PS 9401 – Double Adjustable Brace



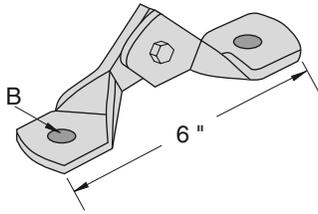
Weight/100 pcs: 497 lbs.



FITTINGS

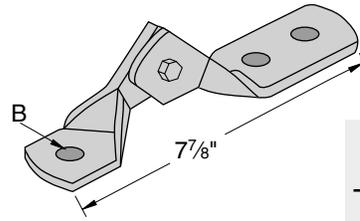
Finish: Painted Green or Electro-galvanized Order By: No., Size and Finish

PS 9402 – Two-Hole Hinge Connector



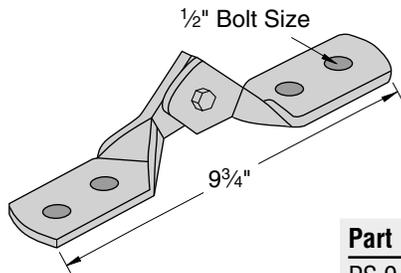
"B" Bolt Size	Wt./ 100 pcs
1/2"	90
5/8"	88
3/4"	86

PS 9403 – Three-Hole Hinge Connector



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

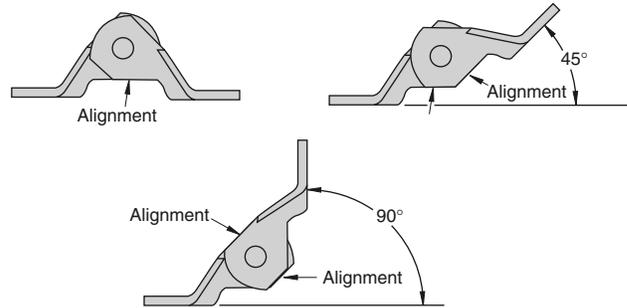
PS 9404 – Four-Hole Hinge Connector



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

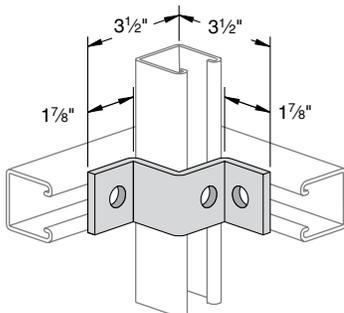
Hinge Connector Auto-Alignment Guides -

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.

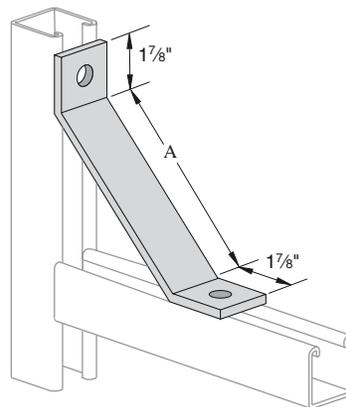
PS 2054 – Corner Connector



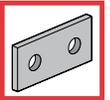
Weight/100 pcs: 66 lbs.

Use With: PS 200, PS 210

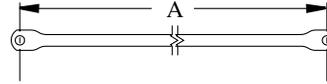
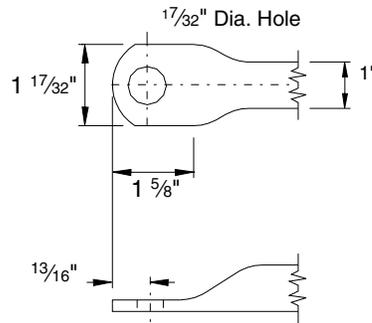
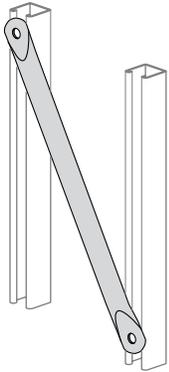
PS 926 – Strut Brace



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



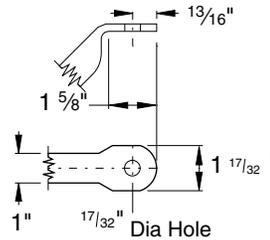
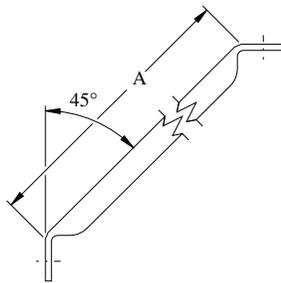
PS 810 – Diagonal Tube Brace



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.

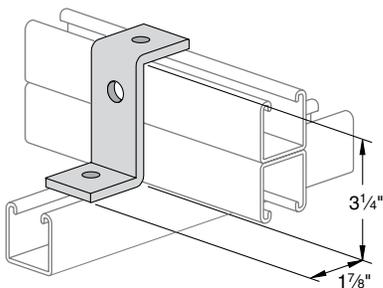
PS 812 – 45° Diagonal Tube Brace



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.

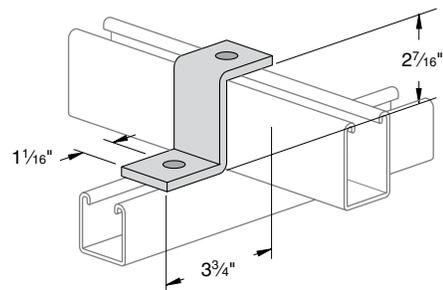
PS 756 – Zee Support



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

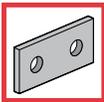
Weight/100 pcs: 70 lbs.

PS 2601 – Zee Support



Use With: PS 150

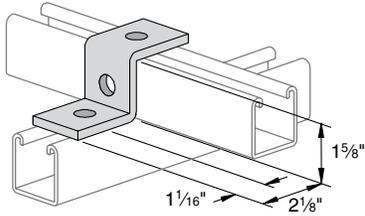
Weight/100 pcs: 70 lbs.



FITTINGS

Finish: Painted Green or Electro-galvanized Order By: No., Size and Finish

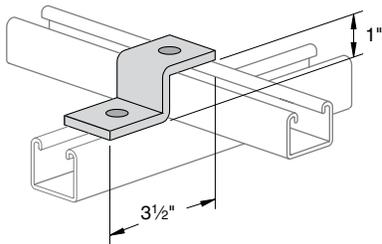
PS 611 – Zee Support



Use With: PS 200, PS 210

Weight/100 pcs: 55 lbs.

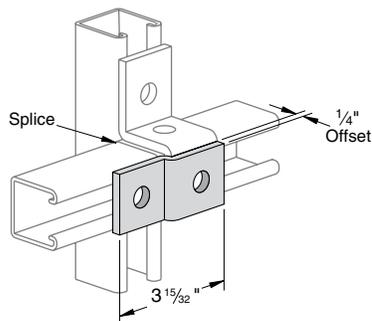
PS 612 – Zee Support



Use With: PS 400

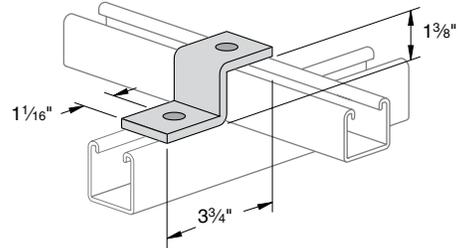
Weight/100 pcs: 47 lbs.

PS 609 – Two-Hole Offset Plate Connector



Weight/100 pcs: 38 lbs.

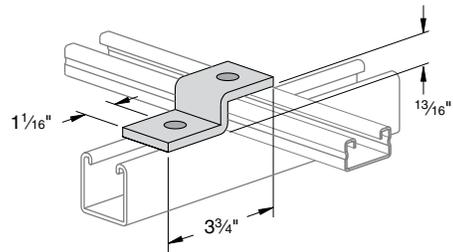
PS 711 – Zee Support



Use With: PS 300

Weight/100 pcs: 53 lbs.

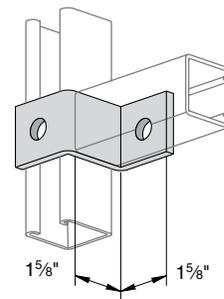
PS 928 – Zee Support



Use With: PS 500, PS 520 and PS 560

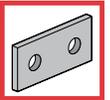
Weight/100 pcs: 47 lbs.

PS 647 – 1 7/8" Offset Zee Connector



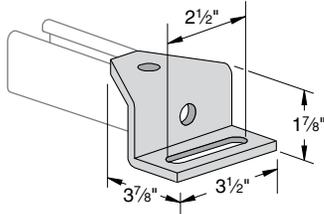
Use With: PS 200, PS 210

Weight/100 pcs: 55 lbs.



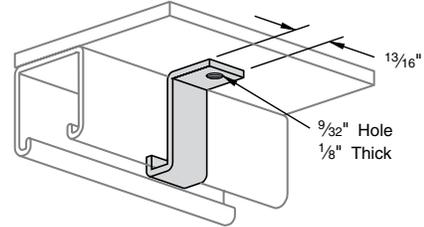
Finish: Painted Green or Electro-galvanized Order By: No., Size and Finish

PS 692 – 1⁵/₈" Offset Zee Connector



Weight/100 pcs: 102 lbs.

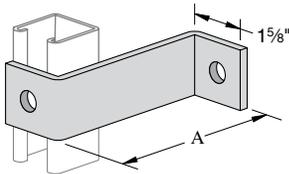
PS 2532 – Shelf Attachment Zee



Stock Thickness: 1/8"
Use With: PS 200, PS 210

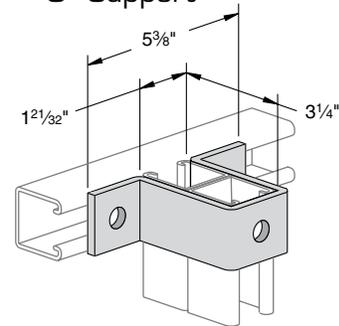
Weight/100 pcs: 9 lbs.

PS 3060 – Offset Connector



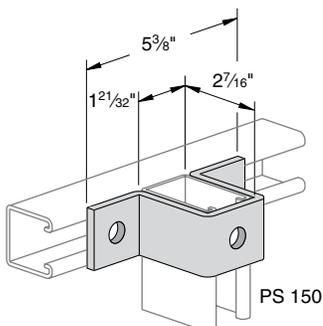
A	Wt./100 pcs
4"	81
5"	92
6"	104
7"	115
8"	127

PS 679 – "U" Support



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

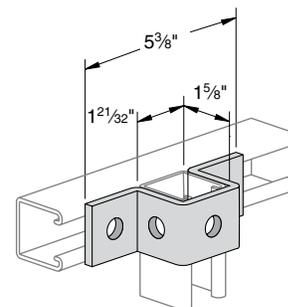
PS 2648 – "U" Support



Use With: PS 150

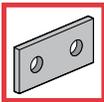
Weight/100 pcs: 108 lbs.

PS 613 – "U" Support



Use With: PS 200, PS 210

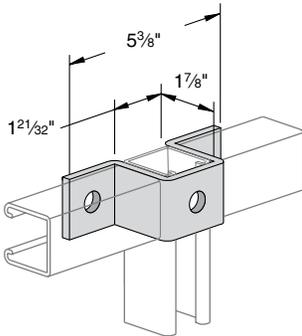
Weight/100 pcs: 88 lbs.



FITTINGS

Finish: Painted Green or Electro-galvanized Order By: No., Size and Finish

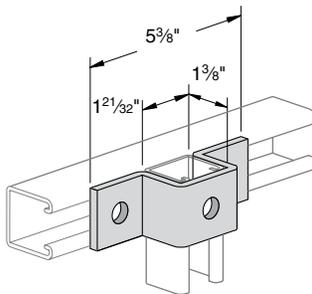
PS 2119 – "U" Support



Use With: PS 200, PS 210

Weight/100 pcs: 95 lbs.

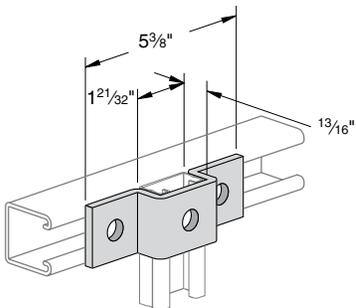
PS 710 – "U" Support



Use With: PS 300

Weight/100 pcs: 84 lbs.

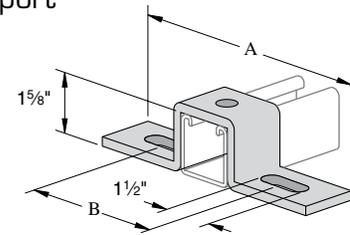
PS 929 – "U" Support



Use With: PS 500, PS 520 and PS 560

Weight/100 pcs: 71 lbs.

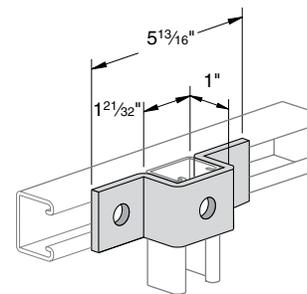
PS 687A, PS 687B & PS 687C – Slotted "U" Support



Use With: PS 200, PS 210

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

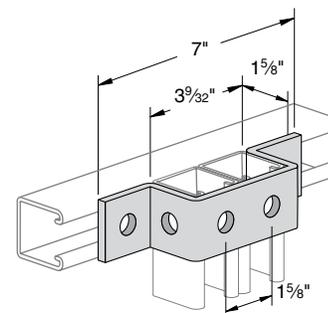
PS 978 – "U" Support



Use With: PS 400

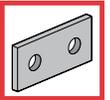
Weight/100 pcs: 71 lbs.

PS 721 – "U" Support



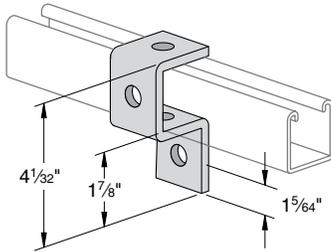
Use With: PS 100, PS 200 2T3, PS 210 2T3

Weight/100 pcs: 105 lbs.



Finish: Painted Green or Electro-galvanized Order By: No., Size and Finish

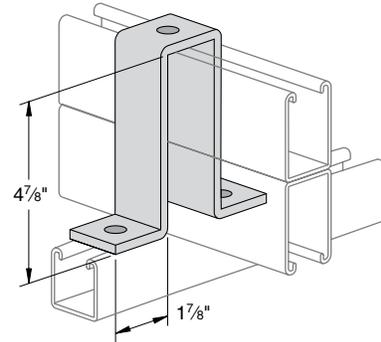
PS 677 – Cup Support for Standard Single Strut



Use With: PS 200, PS 210

Weight/100 pcs: 76 lbs.

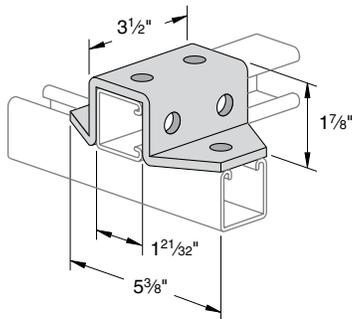
PS 678 – Three-Hole "U" Support



Use With: PS 150 2T3

Weight/100 pcs: 197 lbs.

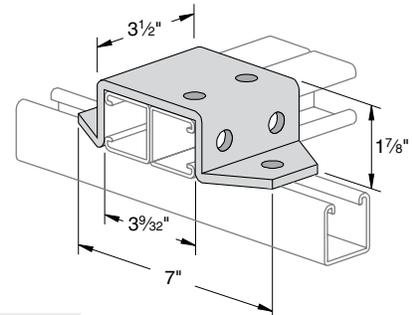
PS 733 – Six-Hole "U" Support



Use With: PS 200, PS 210

Weight/100 pcs: 171 lbs.

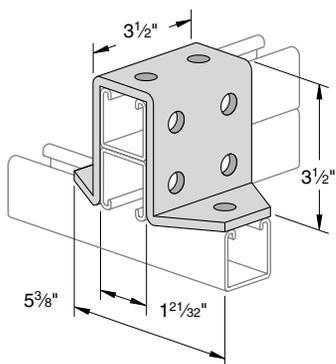
PS 734 – Eight-Hole "U" Support



Use With: PS 200 2T3

Weight/100 pcs: 209 lbs.

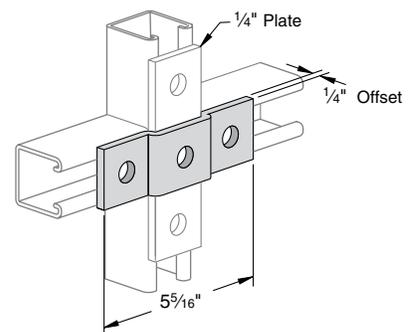
PS 735 – Eight-Hole "U" Support



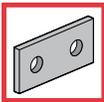
Use With: PS 200 2T3

Weight/100 pcs: 257 lbs.

PS 709 – Three-Hole Offset Plate Connection



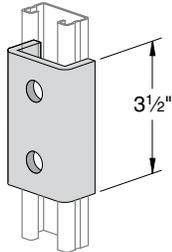
Weight/100 pcs: 58 lbs.



FITTINGS

Finish: Painted Green or Electro-galvanized Order By: No., Size and Finish

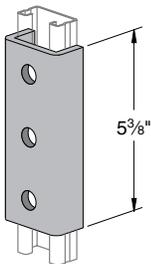
PS 644 – Two-Hole Splice Clevis



Use With: PS 500, PS 520 and PS 560

Weight/100 pcs: 85 lbs.

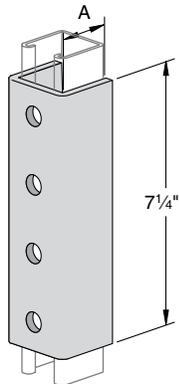
PS 645 – Three-Hole Splice Clevis



Use With: PS 500, PS 520 and PS 560

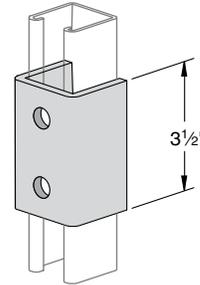
Weight/100 pcs: 130 lbs.

PS 616, PS 646 – Four-Hole Splice Clevis



Part No.	A	For Use With	Wt./100 pcs
PS 616	1 9/16"	PS 200, PS 210	265
PS 646	1 3/16"	PS 500, PS 560	176
PS 616-100	3 3/16"	PS 100	390
PS 616-150	2 3/8"	PS 150	390

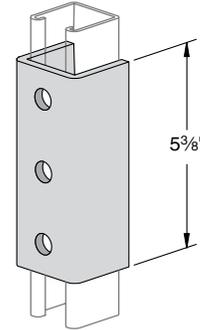
PS 631 – Two-Hole Splice Clevis



Use With: PS 200, PS 210

Weight/100 pcs: 128 lbs.

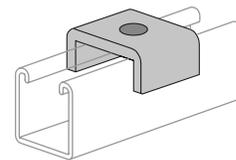
PS 629 – Three-Hole Splice Clevis



Use With: PS 200 and PS 210

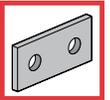
Weight/100 pcs: 197 lbs.

PS 623 – Saddle Washer



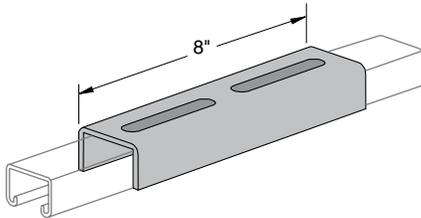
Bolt Size	Wt./100 pcs
1/4"	14
3/8"	14
1/2"	13
5/7"	13
3/4"	13

Weight/100 pcs: 265 lbs.



Finish: Painted Green or Electro-galvanized Order By: No., Size and Finish

PS 804 – Slotted Joiner



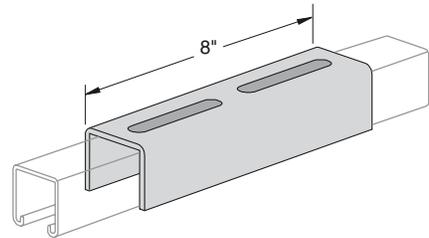
Stock Thickness: (.105)

Use With: PS 400S, PS 500S, PS 520S and PS 560S

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

Weight/100 pcs: 80 lbs.

PS 704 – Slotted Joiner



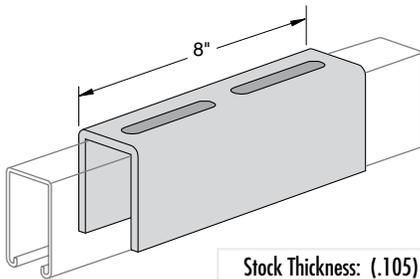
Stock Thickness: (.105)

Use With: PS 200S, PS 210S

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

Weight/100 pcs: 197 lbs.

PS 1004 – Slotted Joiner



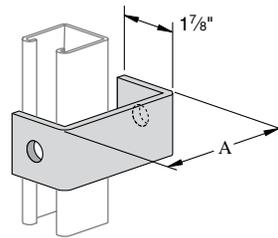
Stock Thickness: (.105)

Use With: PS 150S

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

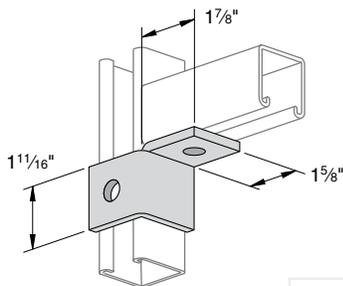
Weight/100 pcs: 140 lbs.

PS 993 – Inside Clevis Hanger



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

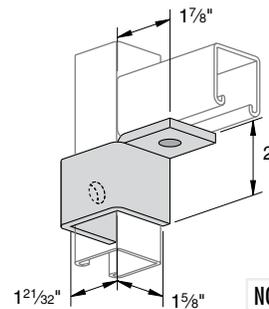
PS 922 R or L – Two-Hole Corner Connector



NOTE: Specify R (Right) or L (Left)
Right Hand Illustrated

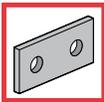
Weight/100 pcs: 60 lbs.

PS 2117 R or L – Wrap-Around Corner Connector



NOTE: Specify R (Right) or L (Left)
Right Hand Illustrated

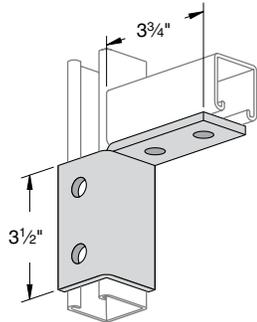
Weight/100 pcs: 75 lbs.



FITTINGS

Finish: Painted Green or Electro-galvanized Order By: No., Size and Finish

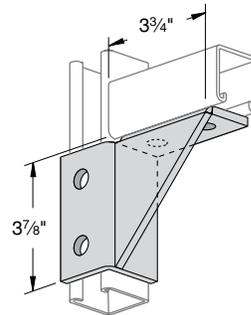
PS 2128 R or L – Four-Hole Corner Connector



NOTE: Specify R (Right) or L (Left)
Right Hand Illustrated

Weight/100 pcs: 119 lbs.

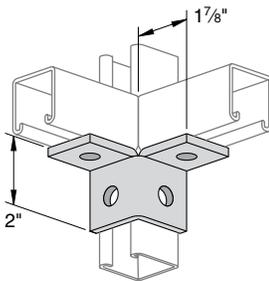
PS 2129 R or L – Single Corner Gussetted Connector



NOTE: Specify R (Right) or L (Left)
Right Hand Illustrated

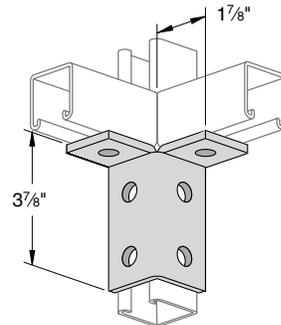
Weight/100 pcs: 176 lbs.

PS 665 – Four-Hole Double Corner Connector



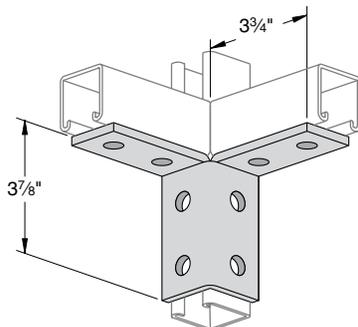
Weight/100 pcs: 76 lbs.

PS 666 – Six-Hole Double Corner Connector



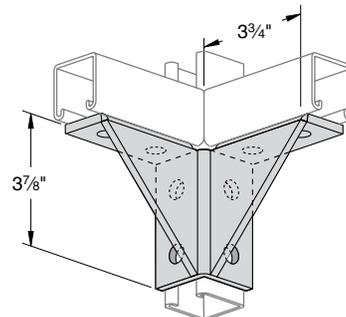
Weight/100 pcs: 115 lbs.

PS 667 – Eight-Hole Double Corner Connector

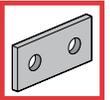


Weight/100 pcs: 155 lbs.

PS 943 – Eight-Hole Gussetted Double Corner Connector

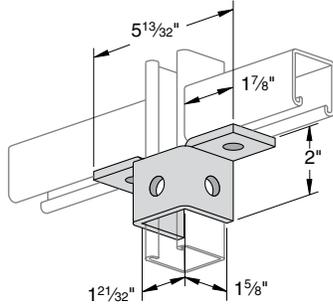


Weight/100 pcs: 217 lbs.



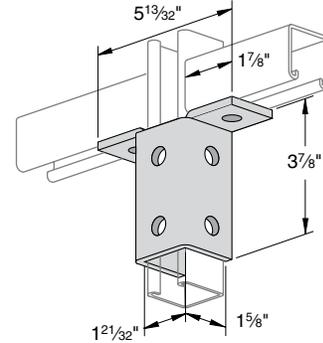
Finish: Painted Green or Electro-galvanized Order By: No., Size and Finish

PS 923 – Five-Hole Double Wing Connector



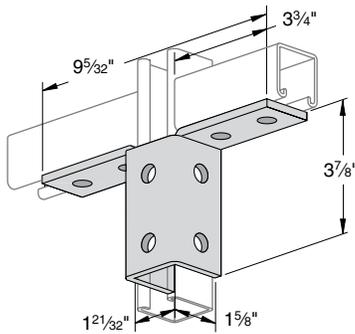
Weight/100 pcs: 93 lbs.

PS 821 – Eight-Hole Double Wing Connector



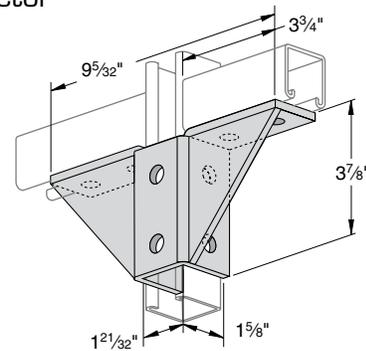
Weight/100 pcs: 150 lbs.

PS 913 – Ten-Hole Double Wing Connector



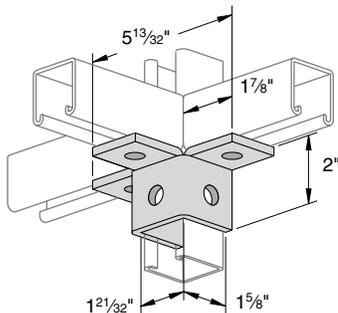
Weight/100 pcs: 193 lbs.

PS 945 – Ten-Hole Gussetted Double Wing Connector



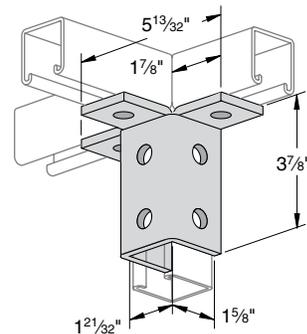
Weight/100 pcs: 274 lbs.

PS 668 – Six-Hole Triple Wing Connector



Weight/100 pcs: 113 lbs.

PS 670 – Nine-Hole Triple Wing Connector



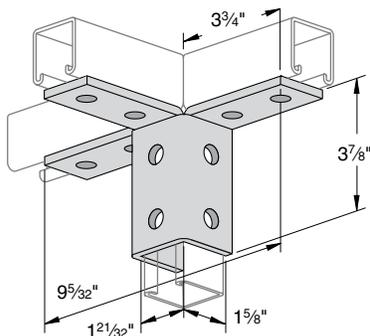
Weight/100 pcs: 177 lbs.



FITTINGS

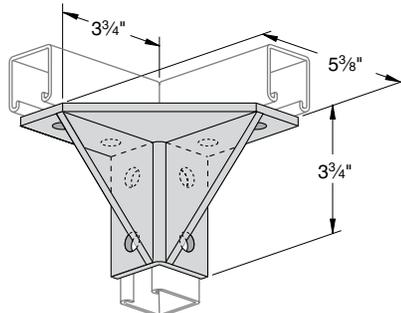
Finish: Painted Green or Electro-galvanized Order By: No., Size and Finish

PS 669 – Twelve-Hole Triple Wing Connector



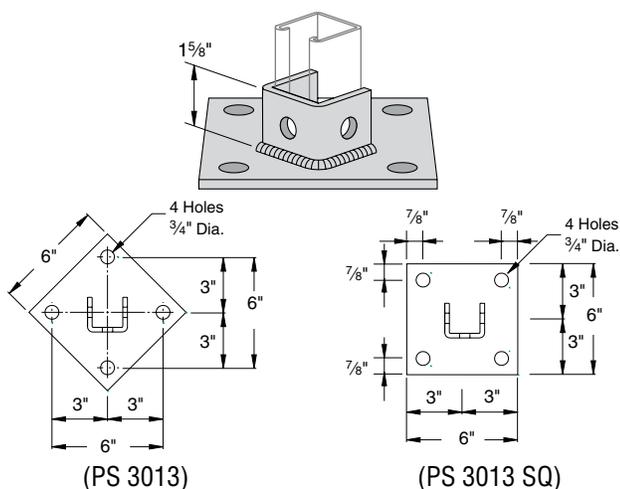
Weight/100 pcs: 230 lbs.

PS 2514 – Eight-Hole Gusseted Double Corner Connector



Weight/100 pcs: 315 lbs.

PS 3013, PS 3013 SQ – Post Base

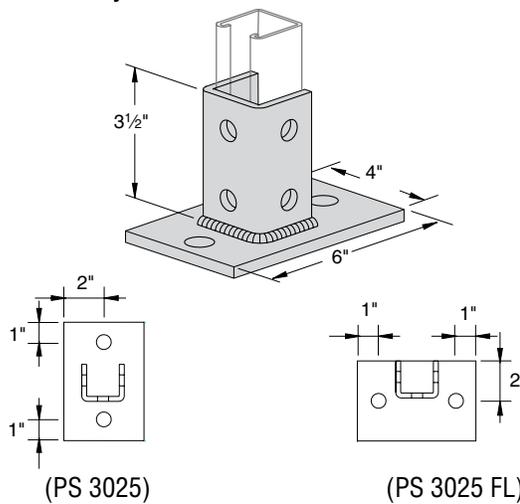


(PS 3013)

(PS 3013 SQ)

Weight/100 pcs: 307 lbs.

PS 3025, PS 3025 FL – Post Base

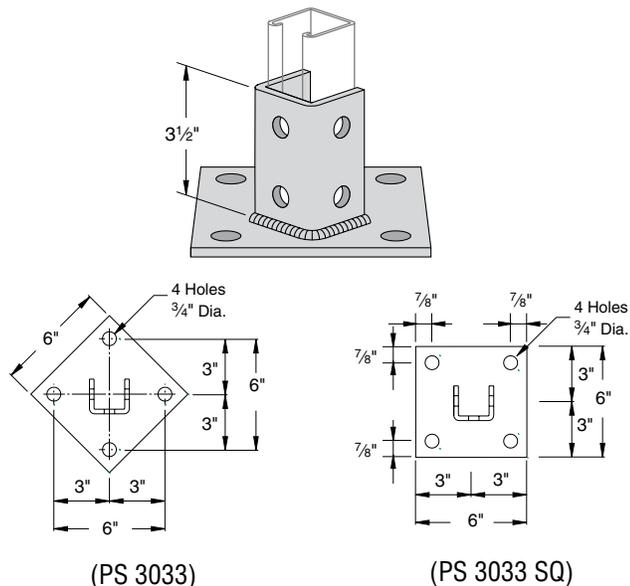


(PS 3025)

(PS 3025 FL)

Weight/100 pcs: 358 lbs.

PS 3033, PS 3033 SQ – Post Base

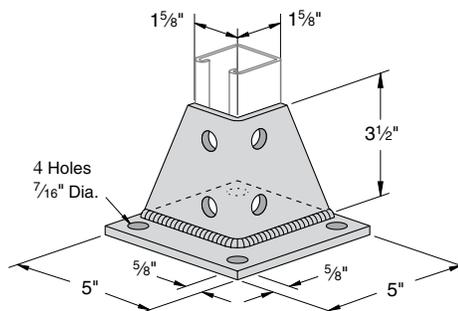


(PS 3033)

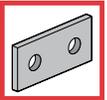
(PS 3033 SQ)

Weight/100 pcs: 373 lbs.

PS 3040 – Post Base

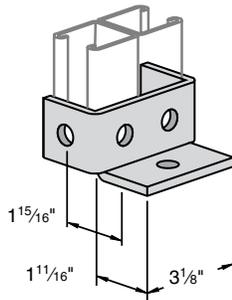


Weight/100 pcs: 297 lbs.



Finish: Painted Green or Electro-galvanized Order By: No., Size and Finish

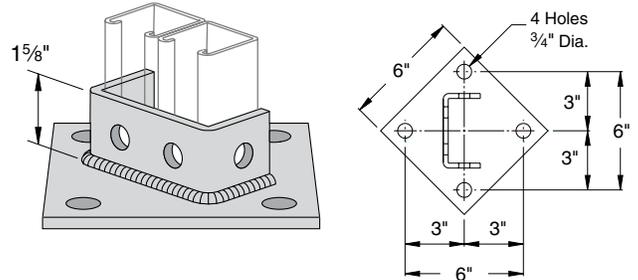
PS 3041 – Double-Column Post Base



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

Weight/100 pcs: 116 lbs

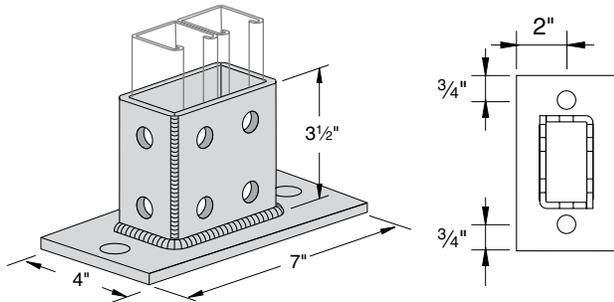
PS 3029 – Double-Column Post Base



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

Weight/100 pcs: 325 lbs.

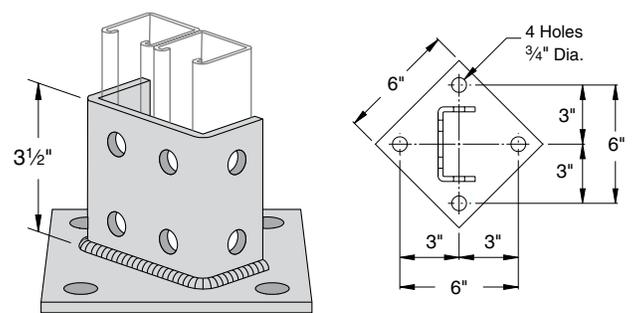
PS 2064 – Double-Column Post Base



Use With: PS 100, PS 200 2T2, PS 200 2T3, PS 200 2T4 and PS 200 2T5

Weight/100 pcs: 311 lbs.

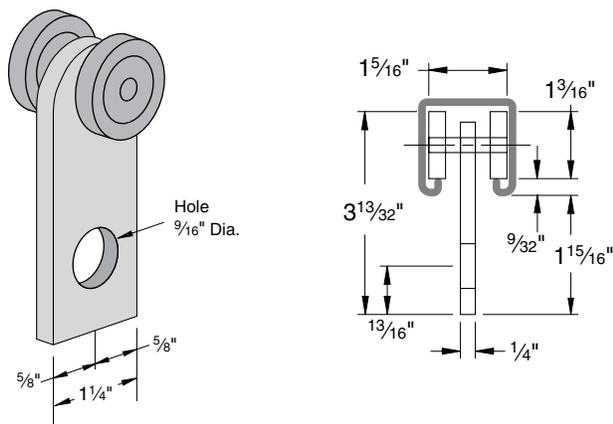
PS 3064 – Double-Column Post Base



Use With: PS 100, PS 200 2T2, PS 200 2T3, PS 200 2T4 and PS 200 2T5

Weight/100 pcs: 408 lbs.

PS 2521 – Two-Wheel Trolley



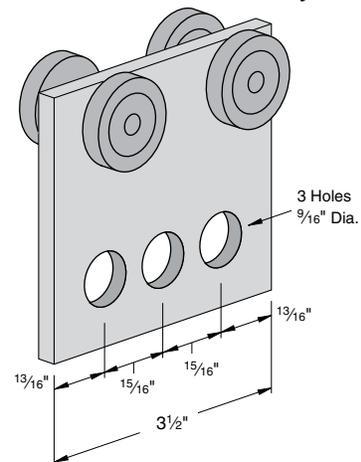
Material: Carbon Steel Wheels have stainless steel ball bearings

Finish: Electro-Galvanized

Use With: PS 200 Load Rating: 300 lbs.

Weight/100 pcs: 46 lbs.

PS 2522 – Four-Wheel Trolley

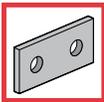


Material: Carbon Steel Wheels have stainless steel ball bearings

Finish: Electro-Galvanized

Use With: PS 200 Load Rating: 600 lbs.

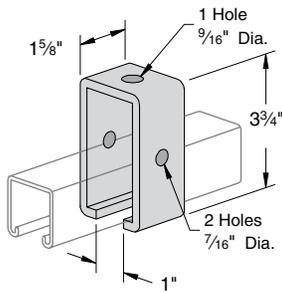
Weight/100 pcs: 110 lbs.



FITTINGS

Finish: Painted Green or Electro-galvanized Order By: No., Size and Finish

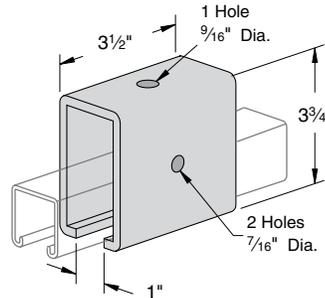
PS 2528 – Trolley Beam Standard Support



Use With: PS 200, PS 210
Load Rating: 600 lbs.

Weight/100 pcs: 102 lbs.

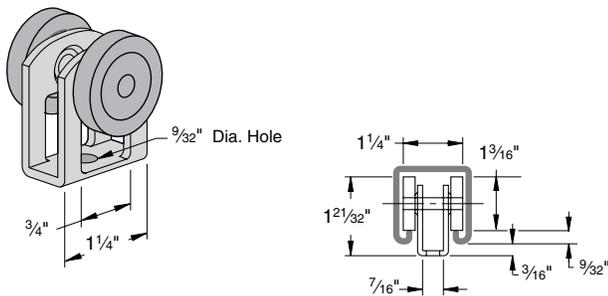
PS 2528 - 1 – Trolley Beam Heavy Support and Track Joiner



Use With: PS 200, PS 210
Load Rating: 2,500 lbs.

Weight/100 pcs: 220 lbs.

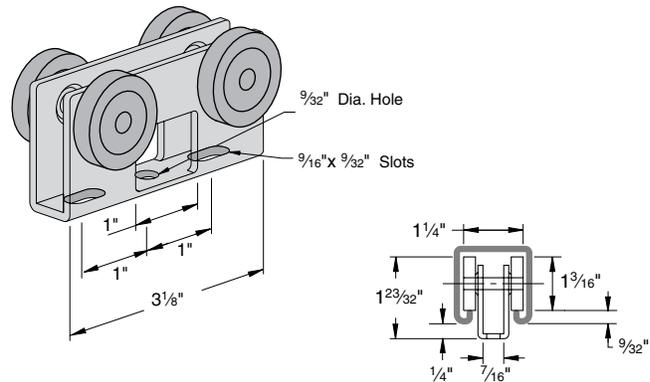
PS 2524 – Two-Bearing Light Duty Trolley



Load Rating: 50 lbs.

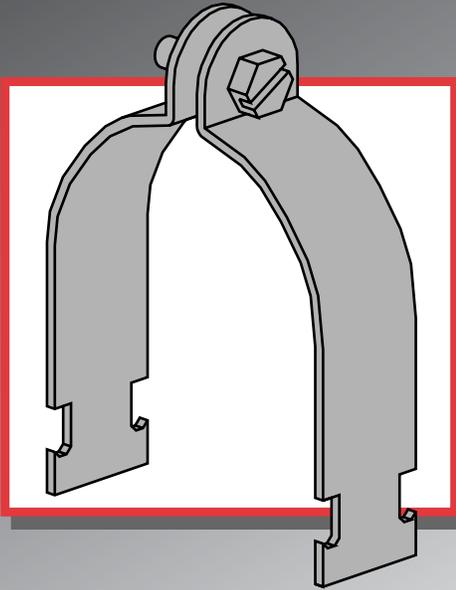
Weight/100 pcs: 21 lbs.

PS 2525 – Four-Bearing Light Duty Trolley



Load Rating: 100 lbs.

Weight/100 pcs: 55 lbs.



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-1008, A-1011 SS, 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:

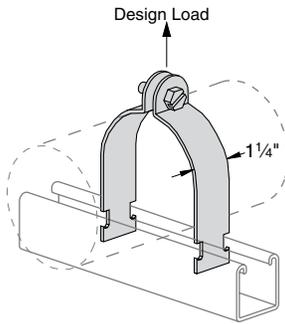
When ordering, add the length or size and finish to the part number. See pages 8-10 for finish abbreviations and an example.



PIPE & CONDUIT CLAMPS

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

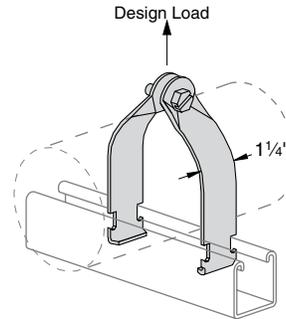
PS 1000 – EMT Conduit Clamp



NOTE: For EMT larger than 2" use PS 1100

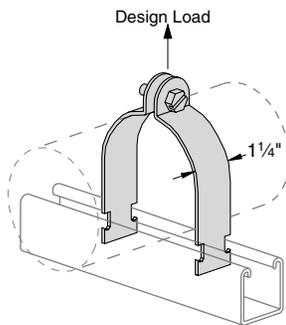
EMT Size	Stock Thickness	Hanging Load Rating/lbs.	Wt./ 100 pcs
1/2"	.060	400	11
3/4"	.060	400	12
1"	.075	600	15
1 1/4"	.075	600	18
1 1/2"	.105	800	29
2"	.105	800	33

PS 1300 – Universal 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	.060	400	11
1"	1.163-1.315	.060	400	12
1 1/4"	1.510-1.660	.075	400	18
1 1/2"	1.740-1.900	.075	500	20
2"	2.197-2.375	.075	500	22

PS 1100, PS 1116, PS 1117 – Standard Pipe Clamp (GRC, IMC and SCH 40/SCH 80 steel pipe)

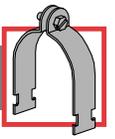


Material and finish are specified as:

- 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

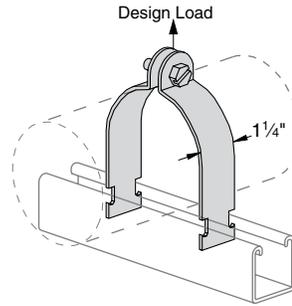
Pipe Size	Stock Thickness	Hanging Load Rating/lbs.	Wt./ 100 pcs
3/8"	.060	400	10
1/2"	.060	400	11
3/4"	.075	600	15
1"	.075	600	17
1 1/4"	.075	600	19
1 1/2"	.105	800	29
2"	.105	800	34
2 1/2"	.105	800	40
3"	.105	800	47
3 1/2"	.125	1,000	62
4"	.125	1,000	67
5"	.125	1,000	80
6"	.135	1,000	102
8"	.135	1,000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

PIPE & CONDUIT CLAMPS



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

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.

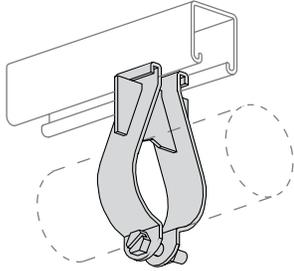
NOTE: SS - Stainless Steel
CPLT - Copper Plated



PIPE & CONDUIT CLAMPS

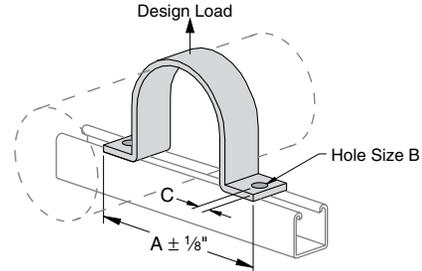
Finish: Electro-galvanized Order By: No. and Finish

PS 3138 – Parallel Run Pipe Clamp



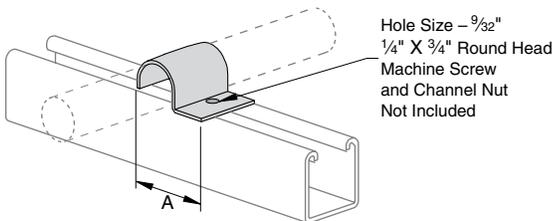
Pipe Size	Load Rating	Wt./ 100 pcs
3/8"	300	27
1/2"	300	29
3/4"	300	30
1"	400	31
1 1/4"	400	38
1 1/2"	500	40
2"	500	47
2 1/2"	500	66
3"	500	78
3 1/2"	500	87
4"	500	90

PS 3126 – One-Piece Pipe Strap



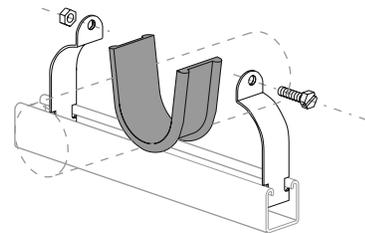
Pipe Size	A	B	C	Design Load	Wt./ 100 pcs
1/2"	2 7/8"	9/32"	7/16"	500	23
3/4"	3 1/8"	9/32"	7/16"	500	26
1"	3 3/8"	9/32"	7/16"	500	31
1 1/4"	3 3/4"	9/32"	7/16"	500	35
1 1/2"	3 7/8"	9/32"	7/16"	500	39
2"	5 3/4"	7/16"	1 1/16"	1,000	94
2 1/2"	6 1/4"	7/16"	1 1/16"	1,000	114
3"	6 7/8"	7/16"	1 1/16"	1,000	133
3 1/2"	7 3/8"	7/16"	1 1/16"	1,000	152
4"	7 7/8"	7/16"	1 1/16"	1,000	176
5"	9"	7/16"	1 1/16"	1,000	198
6"	10"	7/16"	1 1/16"	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
Service Temp: -70° to 350° F

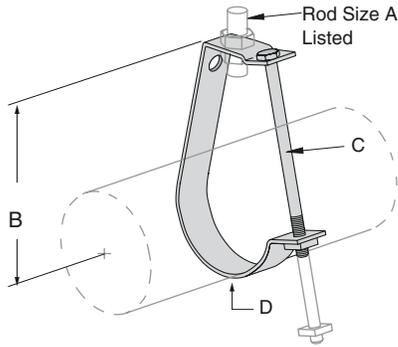
Weight/100 boxes: 253 lbs.

PIPE & CONDUIT CLAMPS



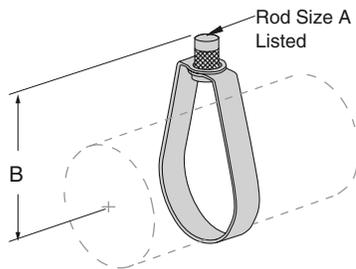
Finish: Electro-galvanized Order By: No. and Size

PS 67 – Pipe or Conduit Hanger



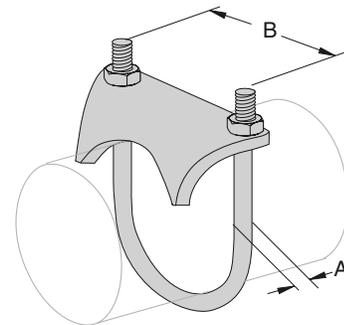
Conduit Size	A Rod Size	B	C	D	Load Rating	Wt./ 100 pcs
1/2"	3/8"	1 3/4"	1/4 x 2 1/4"	1/8 x 3/4"	300	20
3/4"	3/8"	1 7/8"	1/4 x 2 1/4"	1/8 x 3/4"	300	21
1"	3/8"	2 1/4"	1/4 x 2 3/4"	1/8 x 3/4"	300	24
1 1/4"	3/8"	2 3/4"	1/4 x 3 1/4"	1/8 x 3/4"	300	27
1 1/2"	3/8"	3"	1/4 x 3 1/2"	1/8 x 3/4"	300	29
2"	3/8"	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 11/16"	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 3/4"	41
3/4"	5/16"	1 7/16"	42
1"	5/16"	1 11/16"	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

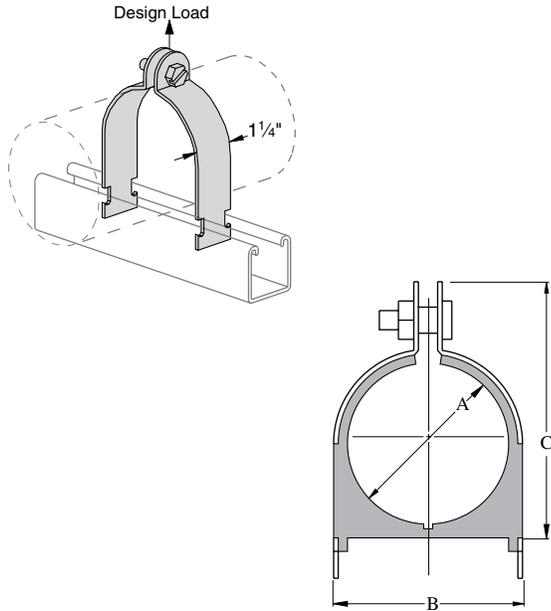
Material: Malleable Iron



PIPE & CONDUIT CLAMPS

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

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



Clamp: Electro-galvanized or stainless steel
 Cushion: Thermoplastic elastomer resistant to the effects of most oils, chemicals and industrial cleaning compounds in temperatures from -50°F to 275°F.
 Includes: Cushion, Clamp and Hardware

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

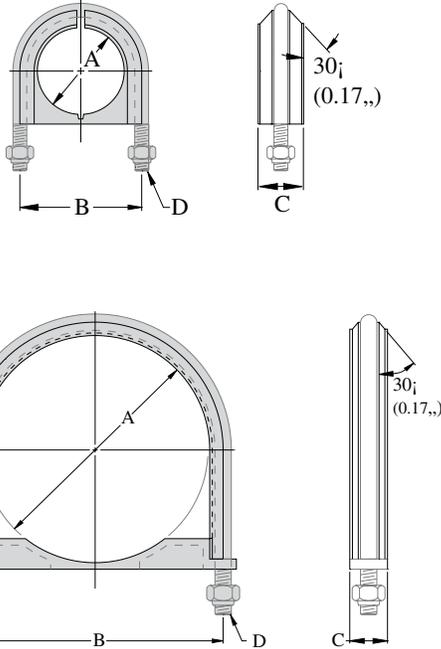
Part No.	Copper & Steel Tube O. D. Size	Copper Water Pipe (Nominal)	Dimensions			Wt./100
			A	B	C	
PS 004T	1/4"		0.25	0.62	0.98	10
PS 006T	3/8"	1/4"	0.37	0.82	1.13	11
PS 008T	1/2"	3/8"	0.50	0.94	1.34	13
PS 010T	5/8"	1/2"	0.62	1.06	1.54	14
PS 012T	3/4"	5/8"	0.75	1.2	1.68	14
PS 014T	7/8"	3/4"	0.87	1.31	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



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

PS UB 1/2 - PS UB 10 - Cush-a-Clamp® Assembly U-Bolt Series



PART NO.	PIPE SIZE	Dimensions				Wt./ 100 Pcs
		A	B	C	D	
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

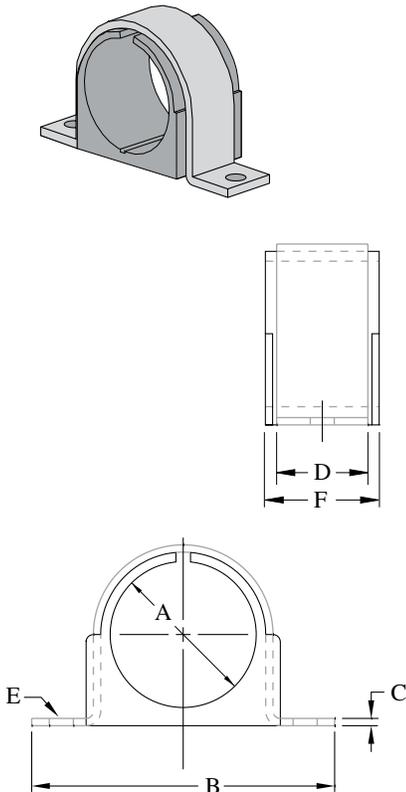
Includes U-bolt, cushion, and hardware.

Materials: U-Bolt: Electrogalvanized finish or Type 316 SS

Cushion: Thermoplastic elastomer

Note: Not intended for use with metal framing components due to the length of the thread.

PS 004M - PS 038M - Cush-a-Clamp® Assembly Omega Series



PART NO.	Copper Tubing O.D. SIZE	Water Pipe (Nominal)	Pipe Size (Nominal)	Dimensions						Wt./ 100 Pcs
				A	B	C	D	E	F	
PS 004M	1/4"			0.25	1.81	0.06	0.62	0.20	0.78	3.4
PS 006M	3/8"	1/4		0.37	1.90	0.06	0.62	0.20	0.81	4.0
PS 008M	1/2"	3/8	1/4"	0.50	2.20	0.06	0.75	0.26	0.98	5.5
PS 010M	5/8"	1/2	3/8"	0.62	2.32	0.06	0.75	0.26	0.98	6.0
PS 012M	3/4"	5/8		0.75	2.41	0.06	0.75	0.26	0.98	6.5
PS 014M	7/8"	3/4	1/2"	0.87	2.56	0.06	0.75	0.26	0.98	7.1
PS 016M	1"			1.00	2.68	0.06	0.75	0.26	0.98	7.8
PS 018M20			3/4"	1.05	2.68	0.06	0.75	0.26	0.98	8.1
PS 018M21	1 1/8"	1		1.12	2.82	0.06	0.75	0.26	0.98	8.4
PS 020M	1 1/4"			1.25	3.00	0.08	1.25	0.26	1.56	17
PS 021M			1"	1.31	3.12	0.08	1.25	0.26	1.56	20
PS 022M	1 3/8"	1 1/4		1.37	3.12	0.08	1.25	0.26	1.56	19
PS 024M	1 1/2"			1.50	3.65	0.08	1.25	0.26	1.56	20
PS 026M	1 5/8"	1 1/2		1.62	3.77	0.08	1.25	0.26	1.56	23
PS 027M			1 1/4"	1.66	3.90	0.10	1.25	0.33	1.56	32
PS 028M	1 3/4"			1.75	3.90	0.10	1.25	0.33	1.56	32
PS 030M	1 7/8"		1 1/2"	1.87	4.02	0.10	1.25	0.33	1.56	34
PS 032M	2"			2.00	4.15	0.10	1.25	0.33	1.56	36
PS 034M	2 1/8"			2.12	4.40	0.10	1.25	0.33	1.56	41
PS 038M			2"	2.37	4.71	0.10	1.25	0.33	1.56	44

Includes clamp and cushion.

Materials: Clamp: ZD or Stainless Steel

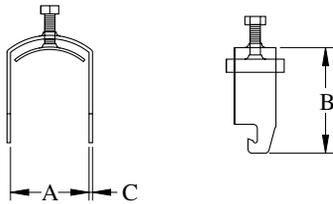
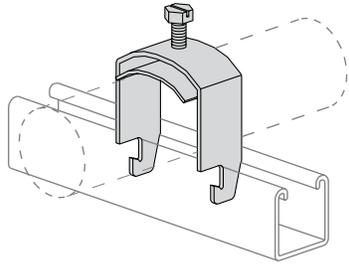
Cushion: Thermoplastic elastomer



PIPE & CONDUIT CLAMPS

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

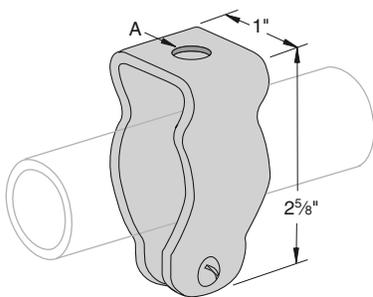
PS 3101 thru PS 3115 – One-Piece cable & Conduit Clamp



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

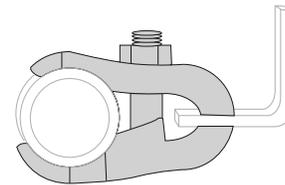
Note: Available in Electro-galvanized steel, Type 304 Stainless Steel or Aluminum

PS 270 – Conduit Clamp



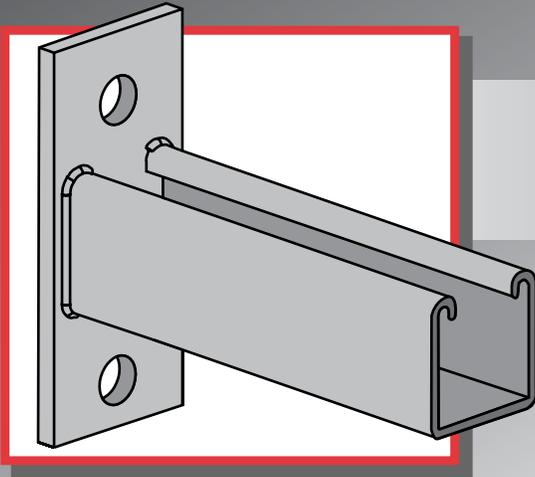
Size	A Diameter	Wt./ 100 pcs
3/8"	1/4"	6
1/2"	1/4"	6
3/4"	1/4"	8
1"	1/4"	9
1 1/4"	1/4"	11
1 1/2"	1/4"	19
2"	1/4"	27

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



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:

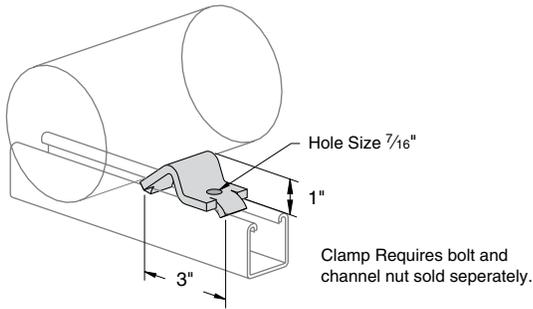
When ordering, add the length or size and finish to the part number. See pages 8-10 for finish abbreviations and an example.



BRACKETS

Finish: Painted Green or Electro-galvanized Order By: No., Size and Finish

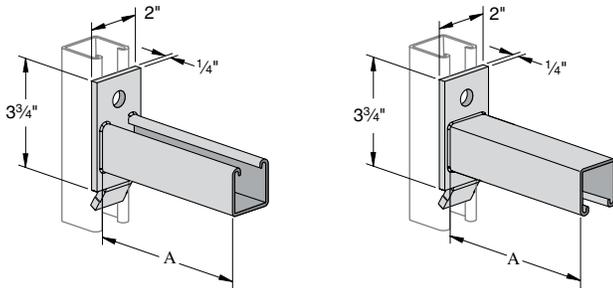
PS 626 – Pipe Stop



NOTE: For use with 2" to 8" Pipe

Weight/100 pcs: 40 lbs.

PS 808 T1, PS 808 T2 – Interlocking Channel Bracket



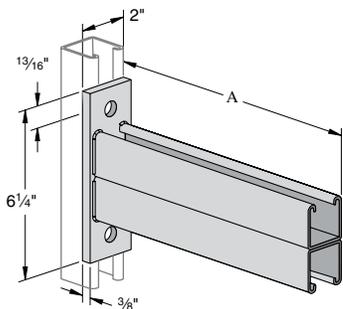
(PS 808 T1 Slot Up)

(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

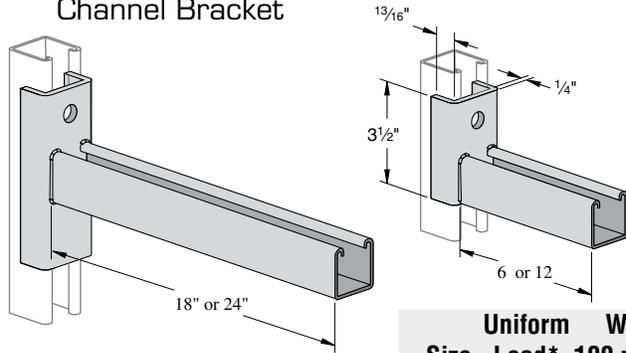
PS 809 – Double Channel Bracket



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

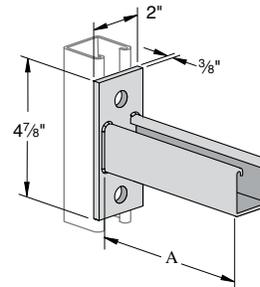


NOTE: PS 661 T1 (Slot up) illustrated
PS 661 T2 (Slot down) not shown

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

*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

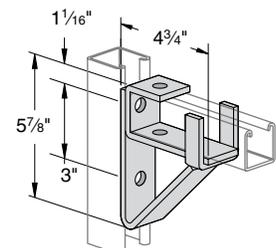
PS 708 – Single Channel Bracket Support

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.



Weight/100 pcs: 235 lbs.

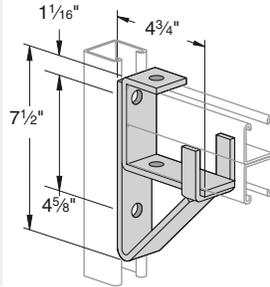


Finish: Painted Green or Electro-galvanized Order By: No., Size and Finish

PS 3164 – Double Channel Bracket Support

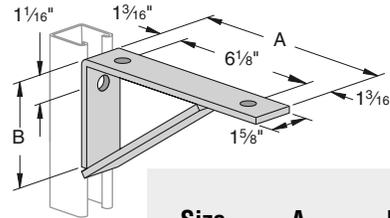
Use With: PS 200 2T3, PS 210 2T3
Design Moment on Upright Channel:
16 ga. channel 6,500 in.-lbs.
14 ga. channel 9,100 in.-lbs.
12 ga. channel 13,000 in.-lbs.

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



Weight/100 pcs: 273 lbs.

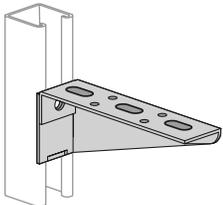
PS 732 – Shelf Bracket



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

PS 838 R or L – Shelf Bracket



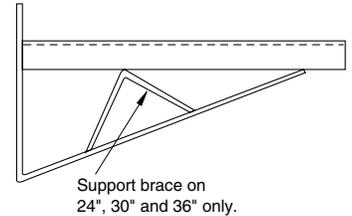
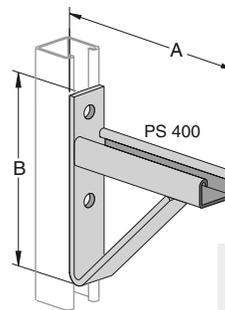
A Size	Stamped Ident. No.	B	Wt./ 100 pcs
6"	121892	1 15/16"	58
8"	121893	2 7/16"	83
10"	121894	2 15/16"	114
12"	121895	3 7/16"	49
14"	121896	3 15/16"	174
16"	121897	4 7/16"	225
18"	121898	4 15/16"	255
20"	121899	5 7/16"	295
22"	121900	5 15/16"	361
24"	121901	6 7/16"	396
26"	121902	6 15/16"	456
28"	121903	7 7/16"	479
30"	121904	7 15/16"	544

Stock Thickness: .105

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

Uniform Load Rating:
275 Lbs. when mounted on 12 ga. channel.

PS 3282 – Cable Tray Strut Bracket

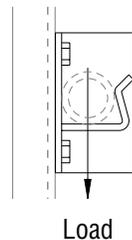
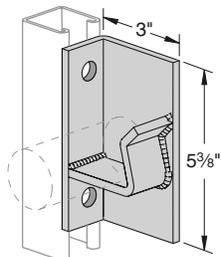


A	B	Uniform Load*	Wt./ 100 pcs
12"	8 3/4"	1,900	388
18"	8 3/4"	1,000	506
24"	8 3/4"	1,000	763
30"	11 1/4"	900	1,012
36"	11 1/4"	800	1,083

* Mounted on 12 ga. channel.

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

PS 825 R or L – Single Pipe Axle Support



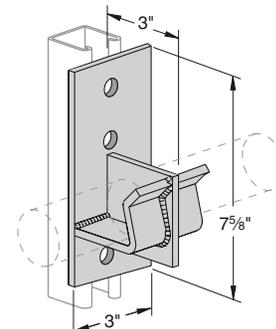
Right Hand Illustrated

Load Rating: 2,000 lbs.

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

Weight/100 pcs.: 220 lbs.

PS 826 – Double Pipe Axle Support



Load Rating: 4,000 lbs.

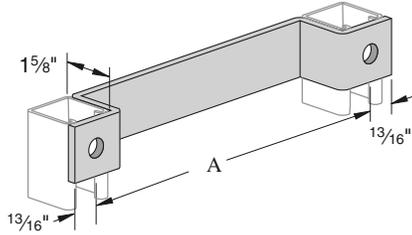
Weight/100 pcs.: 310 lbs.



BRACKETS

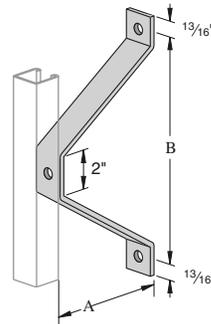
Finish: Painted Green or Electro-galvanized Order By: No., Size and Finish

PS 2401 thru PS 2403 – Ladder Rung



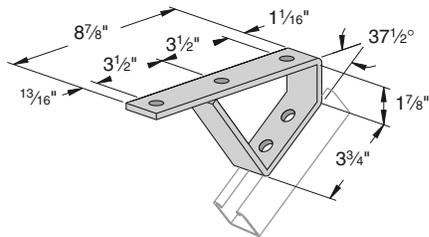
Part No.	"A" Hole to Hole	Wt./ 100 pcs
PS 2401	12"	186
PS 2402	15"	221
PS 2403	18"	254

PS 2404 thru PS 2408 – Wall Ladder Bracket



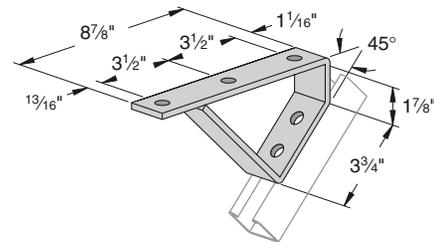
Part No.	A	B	Wt./ 100 pcs
PS 2404	2 3/8"	6"	113
PS 2405	4 3/8"	8"	164
PS 2406	6 3/8"	10"	216
PS 2407	8 3/8"	12"	267
PS 2408	10 3/8"	14"	318

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

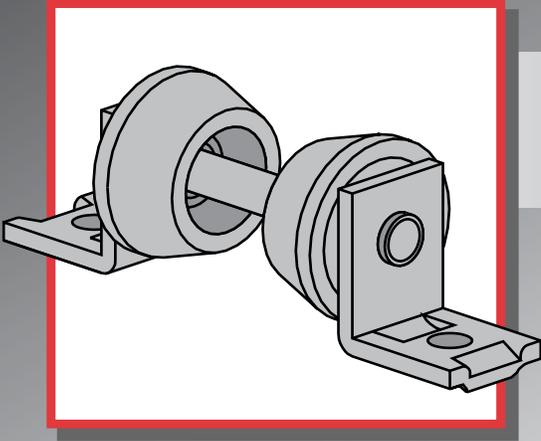


Weight/100 pcs: 213 lbs.

PS 2421 – 45° Degree Stair Tread Support



Weight/100 pcs: 220 lbs.



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:

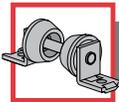
Power-Strut pipe rollers consist of cast iron rollers and steel brackets. The steel brackets are punched from hot rolled, pickled and oiled mild steel.

STANDARD FINISH:

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

ORDERING INFORMATION:

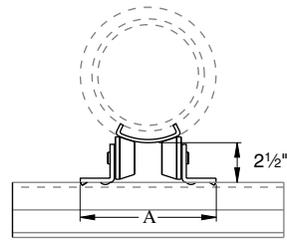
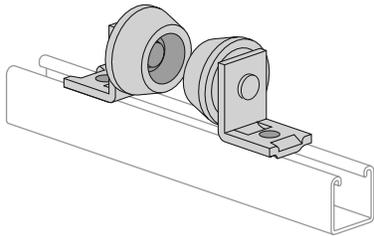
When ordering, add the length or size and finish to the part number. See pages 8-10 for finish abbreviations and an example.



ROLLERS

Order By: No. and Finish

PS 1901 – Two-Piece Pipe Roller



Use With: 1/2"-4" pipe

Load Rating: 500 lbs.

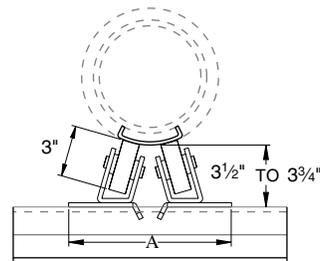
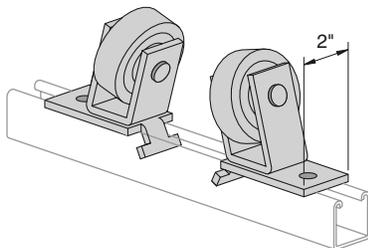
Material: Bracket - steel;
Roller - cast iron (or aluminum)
Finish: Green or galvanized;
Roller - plain

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"

Weight/100 pair: 268 lbs.

PS 815 – Two-Piece, Heavy Duty Pipe Roller



Use With: 6-16" pipe

Material: Bracket - steel;
Roller - cast iron

Finish: Green or galvanized;
Roller - plain

Load Rating: 1500 lbs.

Chart for Dimension A

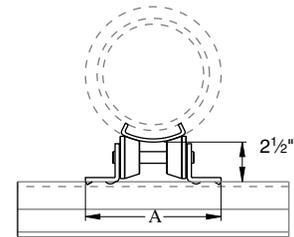
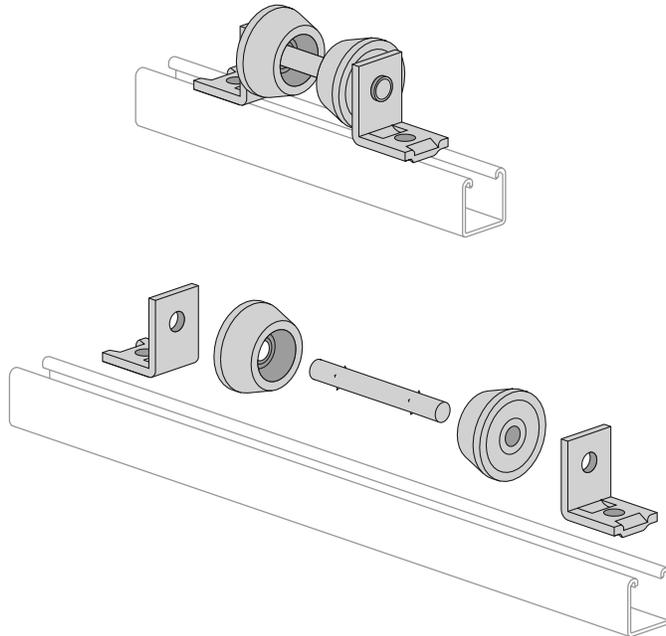
Pipe Size	No Insulation	Insulation Thickness					
		1"	1 1/2"	2"	2 1/2"	3"	4"
6"	9 1/2"	10 1/4"	10 1/2"	10 3/4"	11"	11 3/8"	11 7/8"
8"	10 1/8"		11"	11 3/8"	11 3/4"	12"	12 1/2"
10"	10 3/4"		11 5/8"	12"	12 1/4"	12 1/2"	13"
12"	11 1/4"		12 1/8"	12 1/2"	12 3/4"	13"	13 1/2"
14"	11 5/8"		12 1/2"	12 7/8"	13"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

Weight/100 pair: 680 lbs.



Order By: No. and Size

PS 1902 – Pipe-Roller Assembly



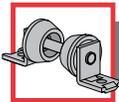
Part Number	A	Wt./100 pcs.
PS 1902 - 1"-2"	6 ³ / ₄	299
PS 1902 - 2 ¹ / ₂ "-3 ¹ / ₂ "	7 ¹ / ₂	304
PS 1902 - 4"-6"	8 ¹ / ₂	311
PS 1902 - 8"	9 ⁹ / ₁₆	319

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

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

Load Rating: 750 lbs.

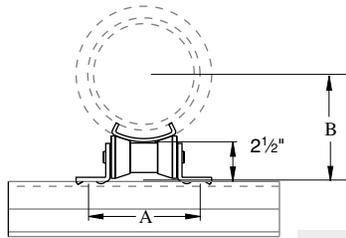
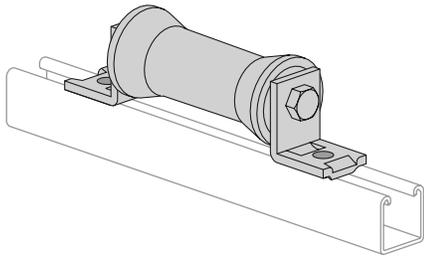
Pipe Size	No Insulation	Insulation Thickness						
		1"	1 ¹ / ₂ "	2"	2 ¹ / ₂ "	3"	4"	
1/2"	PS 1902 - 1"-2"	PS 1902 - 1"-2"	PS 1902 - 1"-2"	PS 1902 - 2 ¹ / ₂ "-3 ¹ / ₂ "				
3/4"	PS 1902 - 1"-2"	PS 1902 - 1"-2"	PS 1902 - 1"-2"	PS 1902 - 2 ¹ / ₂ "-3 ¹ / ₂ "				
1"	PS 1902 - 1"-2"	PS 1902 - 1"-2"	PS 1902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



ROLLERS

Order By: No. and Finish

PS 1911 – Pipe Roller

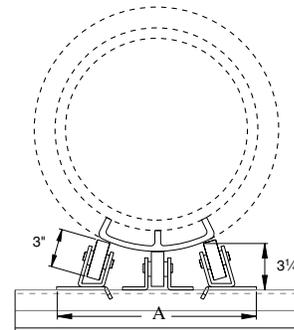
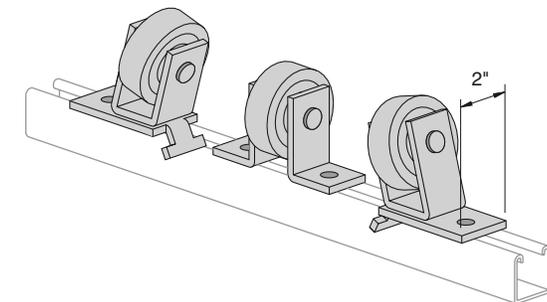


Size	Fits		Wt./ 100 pcs	
	Pipe Size	A		B
2 – 3½"	2"	5"	3"	160
	2½"	5"	3¼"	
	3"	5"	3⅝"	
4 – 6"	3½"	5"	3⅞"	215
	4"	5⅞"	4⅝"	
	5"	5⅞"	4⅞"	
8 – 10"	6"	5⅞"	5⅞"	525
	8"	8⅝"	7⅞"	
	10"	8⅝"	8¼"	
12 – 14"	12"	10⅞"	9⅞"	1,025
	14"	10⅞"	10½"	

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

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

Load Rating: 950 lbs.



Use With: 16-24" pipe

Material: Brackets - steel; Roller - cast iron

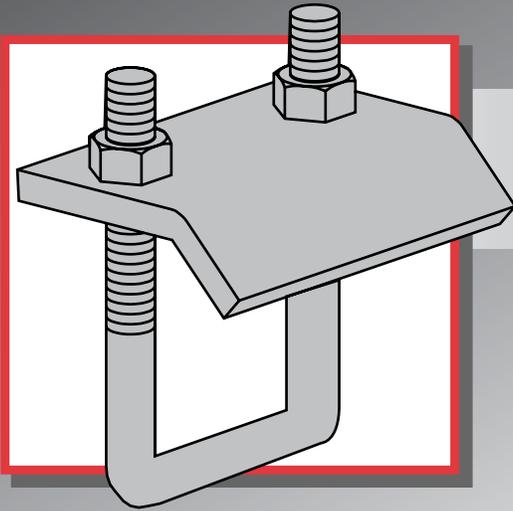
Finish: Brackets - painted green or galvanized;
Roller - plain

Load Rating: 2,000 lbs.

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"

Weight/100 units: 1,046 lbs.



BEAM CLAMPS

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:

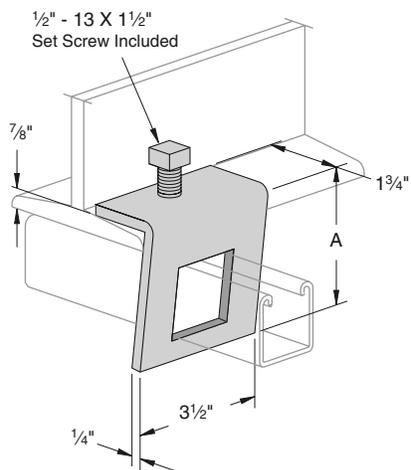
When ordering, add the length or size and finish to the part number. See pages 8-10 for finish abbreviations and an example.



BEAM CLAMPS

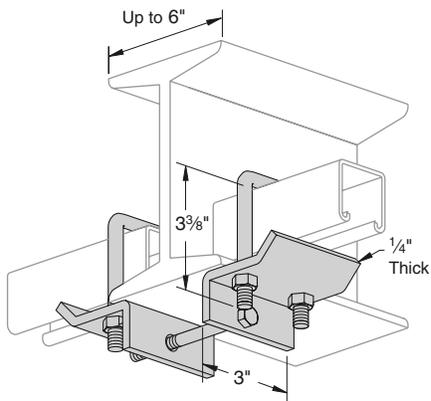
Finish: Painted Green or Electro-galvanized **Order By:** No. and Finish **Note:** Use in pairs or with other support

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 2657 – Double U Beam Clamp



Specify 6" or 12" max. flange width
(Example: PS 2657 T1-6")

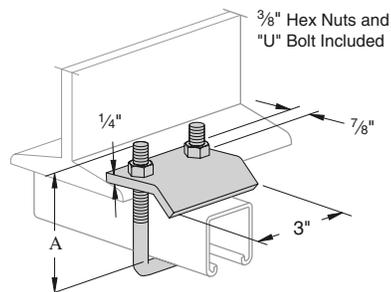
T1 Use with PS 200, PS 210, PS 300,
PS 400, PS 500, PS 520

T2 Use with PS 100, PS 150, PS 200 2T3

T3 Use with PS 150 2T3, PS 100 2T3

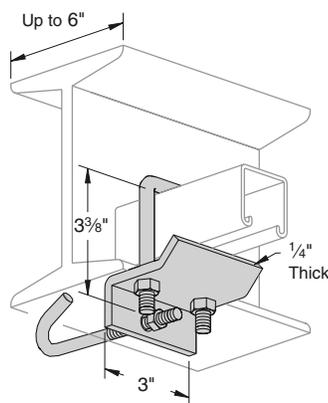
Weight/100 pcs: 280 lbs.

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
PS 2651 T3	PS 150 2T3 PS 100 2T3	8 1/4"	1,000	112

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

T3 Use with PS 150 2T3, PS 100 2T3

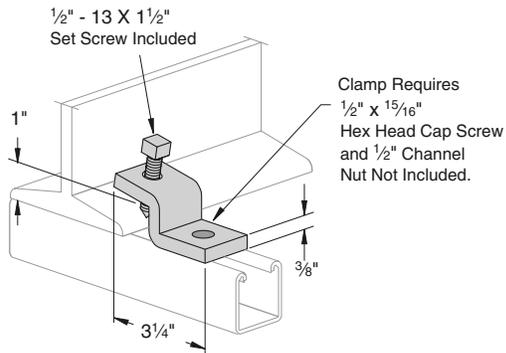
Weight/100 pcs: 143 lbs.

BEAM CLAMPS



Finish: Painted Green or Electro-galvanized **Order By:** No. and Finish **Note:** Use in pairs or with other support

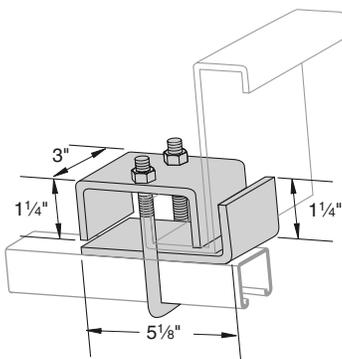
PS 685 – Beam Clamp



Stock Thickness: 3/8"
Load Rating: 450 lbs.

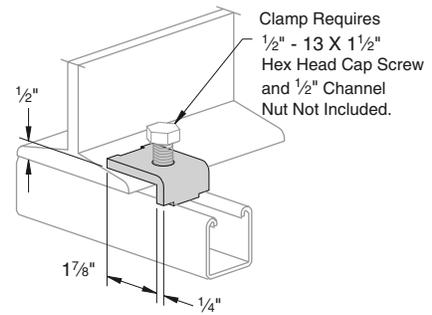
Weight/100 pcs: 63 lbs.

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
PS 2653 T3	PS 100 2T3	1,200	179

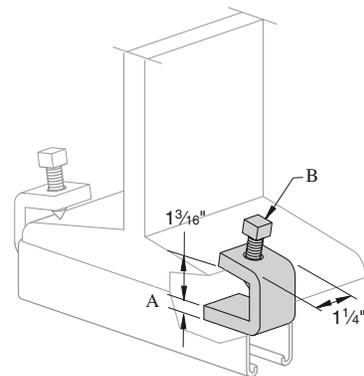
PS 686 – Beam Clamp



Load Rating: 600 lbs. with 12 ga. channel
500 lbs. with 14 ga. channel

Weight/100 pcs: 26 lbs.

PS 907, PS 998 – "I" Beam Clamp



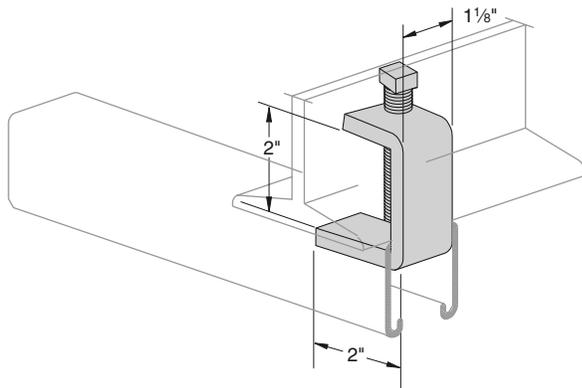
Stock Part #	Set Thickness	Load Rating Screw	Wt./ lbs.	100 pcs.
PS 907	1/4"	3/8"	450	26
PS 998	3/8"	1/2"	900	64



BEAM CLAMPS

Finish: Painted Green or Electro-galvanized **Order By:** No. and Finish **Note:** Use in pairs or with other support

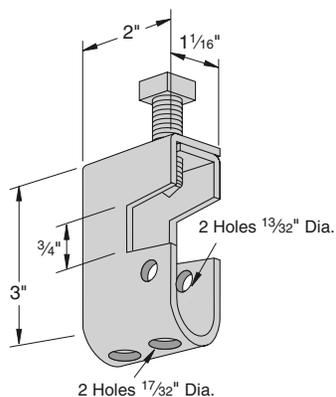
PS 916 – “1” Beam Clamp



Stock Thickness: $\frac{3}{8}$ "
Load Rating: 900 lbs.

Weight/100 pcs: 72 lbs.

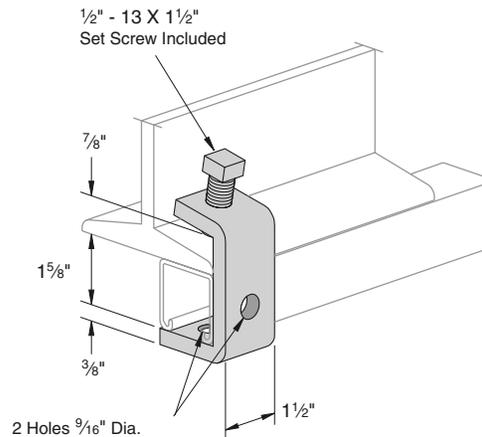
PS 2622 – Beam Clamp



Load Rating: 300 lbs.
Assembly including PS 736 also available.
Order PS 2622/J6 or PS 2622/J10
NOTE: Adaptable for $\frac{1}{4}$ ", $\frac{3}{8}$ " & $\frac{1}{2}$ " rod with PS 3201.

Weight/100 pcs: 41 lbs.

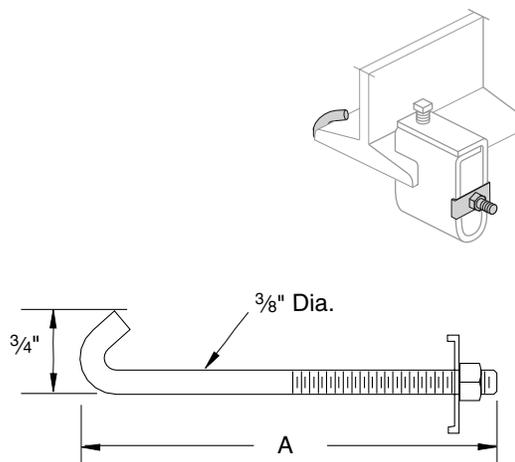
PS 684 – “1” Beam Clamp



Stock Thickness: $\frac{3}{8}$ "
Load Rating: 500 lbs.

Weight/100 pcs: 94 lbs.

PS 736 – Hook Rod Assembly



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

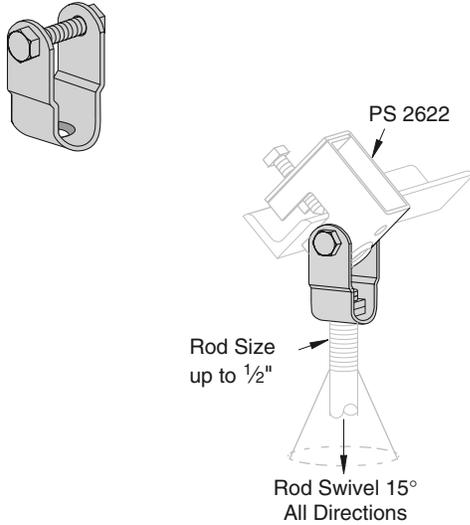
Use With: PS 2622 Beam Clamp

BEAM CLAMPS



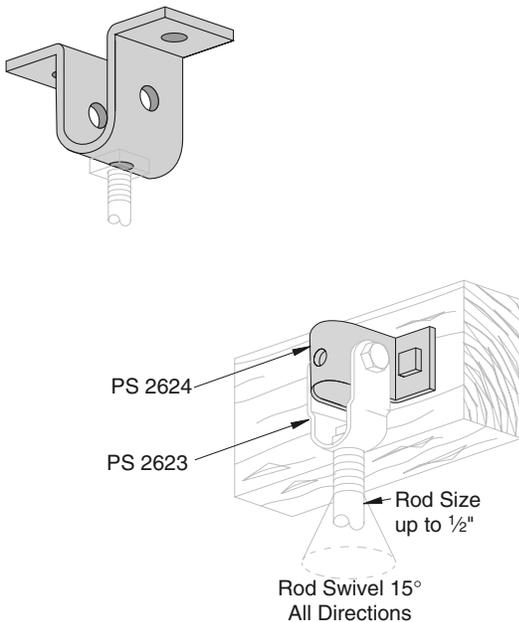
Finish: Painted Green or Electro-galvanized **Order By:** No. and Finish **Note:** Use in pairs or with other support

PS 2623 – Swivel Adaptor



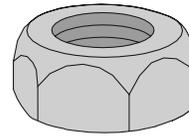
Use With: PS 2622 Beam Clamp or PS 2624 Wood Beam Hanger
Load Rating: 300 lbs.

PS 2624 – Wood Beam Hanger



Weight/100 pcs: 22 lbs.

PS 3201 – Swivel Nut

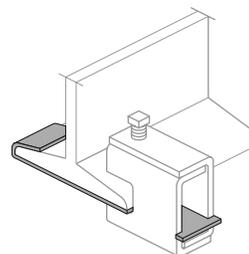
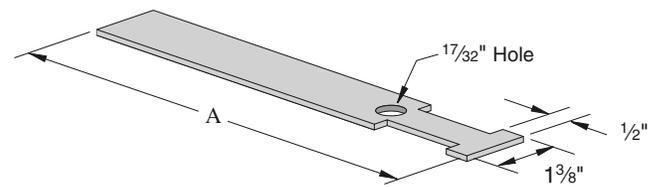


Rod Size	Wt./ 100 pcs
1/4"	4
3/8"	4
1/2"	3

Use With: PS 2622 Beam Clamp

Weight/100 pcs: 31 lbs.

PS 871 – Safety Anchor Strap



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

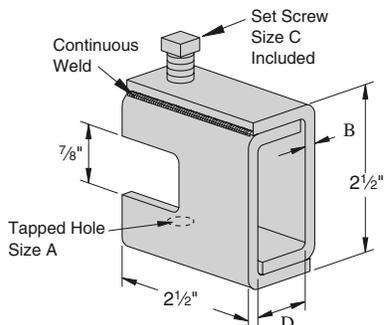
Use with: PS 858, PS 865 (Cannot be used with 5/8" rod size beam clamps and larger)



BEAM CLAMPS

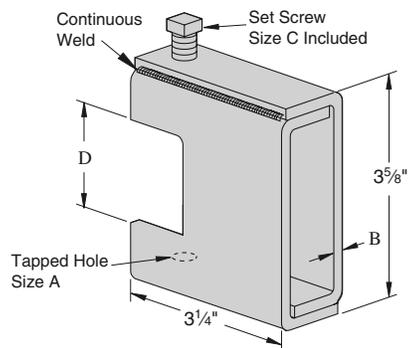
Finish: Painted Green or Electro-galvanized **Order By:** No. and Finish **Note:** Use in pairs or with other support

PS 858 – Heavy Duty Beam Clamp



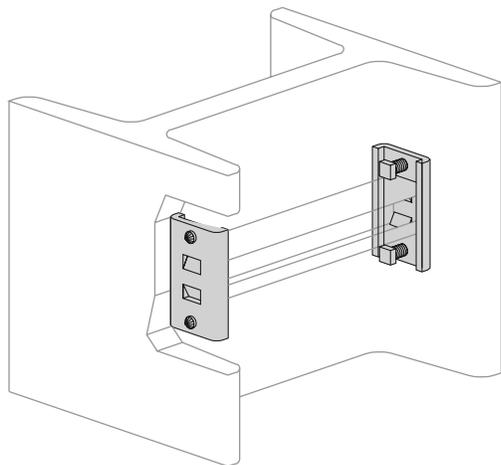
Part Number	"A" Rod Size	B	C	D	Load Ratings	Wt./ 100 pcs
PS 858 1/4	1/4" - 20	1/8"	3/8" x 1 1/2"	7/8"	650	67
PS 858 5/16	5/16" - 18	1/8"	3/8" x 1 1/2"	7/8"	650	67
PS 858 3/8	3/8" - 16	3/16"	1/2" x 1 1/2"	1 5/16"	1,100	100
PS 858 1/2	1/2" - 13	1/4"	1/2" x 1 1/2"	1 5/16"	1,600	130
PS 858 5/8	5/8" - 11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

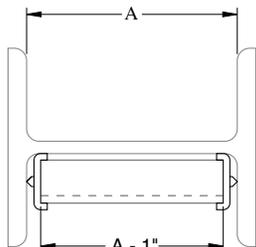


Rod Size	B	C	D	Load Ratings	Wt./ 100 pcs
3/8"	3/16"	1/2"	1 11/16"	1,100	151
1/2"	1/4"	1/2"	1 11/16"	1,600	195
5/8"	5/16"	5/8"	1 11/16"	2,400	225

PS 2654 & PS 2654A – Column Attachment

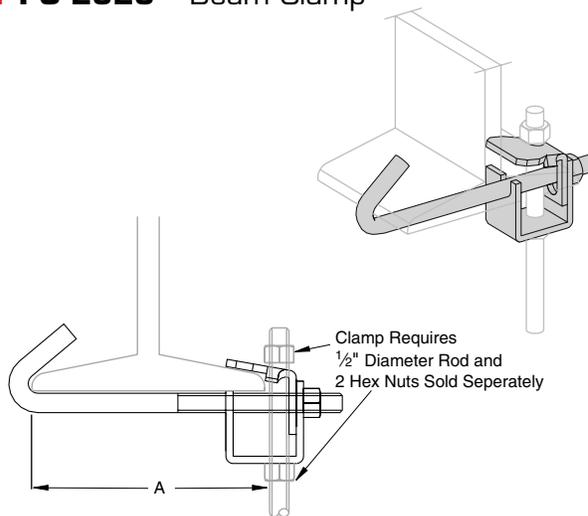


PS 2654 Use with PS 200
 PS 2654A Use with PS 500
 Slip Rating: 800 lbs.
 NOTE: Column attachment can only be used in pairs.



Weight/100 pcs: 41 lbs.

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

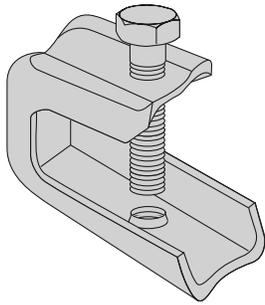
Finish: Plain, painted green or electro-galvanized
 Load Rating: 500 lbs.

BEAM CLAMPS



Finish: Painted Green or Electro-galvanized **Order By:** No. and Finish **Note:** Use in pairs or with other support

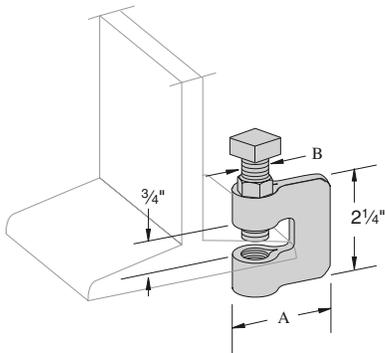
PS 135X – Light Duty Beam Clamp



Material: Steel
Use With: 1/4" rod
Load Rating: 75 lbs.

Weight/100 pcs: 14 lbs.

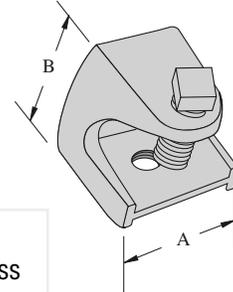
PS 95 – "C" Clamp



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

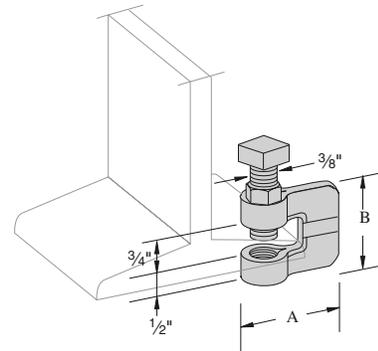


7/8" Maximum Flange Thickness

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

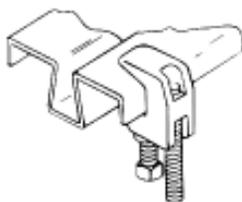
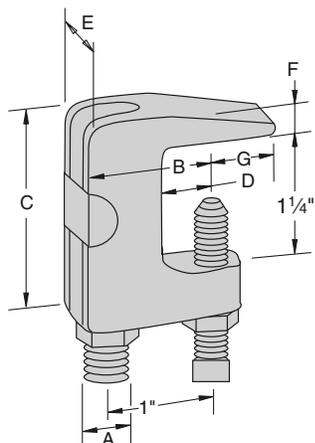
Material: Malleable Iron, Steel Set Screw
NOTE: UL Listed for 3/8" rod.



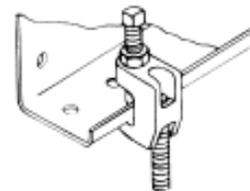
BEAM CLAMPS

Finish: Painted Green or Electro-galvanized; **Order By:** No. and Finish; **Note:** Use in pairs or with other support

PS 93 – Universal “C” Clamp



At least one full thread must be exposed

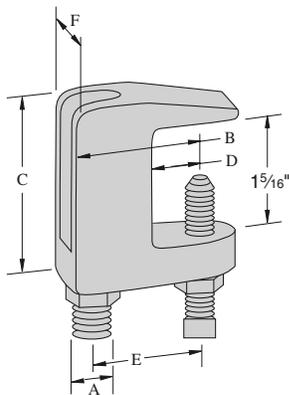


Rod Size	DIMENSIONS (Inches)						Max. Pipe Size	Max. Load (Lbs.)	Wt/ 100 pcs
	A	B	C	D	E	F			
3/8	1 5/16	2	3/4	7/8	3/8	5/8	4	400	41
1/2	1 3/8	2	3/4	7/8	7/16	13/16	8	500	75

• Maximum temperature of 450° F

Material: Malleable Iron, Steel Set Screw

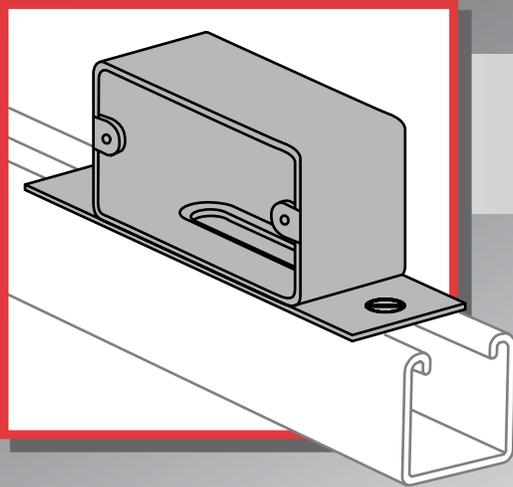
PS 94 – Wide Throat Top Beam “C” Clamp



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	600	66	
3/4	1 7/8	2 3/8	3/4	1 3/8	1 3/16	12	800	83	

• Maximum temperature of 450° F

Material: Malleable Iron, Steel Set Screw



ELECTRICAL

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-1011 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:

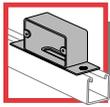
Standard lengths of electrical raceway are 10 and 20 feet. The Power-Strut closure strips are available only in 10 foot lengths.

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:

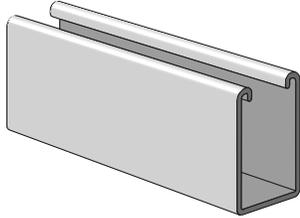
When ordering, add the length or size and finish to the part number. See pages 8-10 for finish abbreviations and an example.



ELECTRICAL

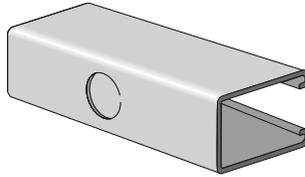
Finish: Painted Green or Pregalvanized Stock Length: 10 feet & 20 feet Order By: No. and Size

Solid Raceway*



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

Knock-Out Raceway*

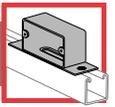


Part No.	Section Height
PS 100 K06	3 ¹ / ₄ "
PS 150 K06	2 ⁷ / ₁₆ "
PS 200 K06	1 ⁵ / ₈ "
PS 210 K06	1 ⁵ / ₈ "
PS 300 K06	1 ³ / ₈ "
PS 400 K06	1"

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
Table A – 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 ¹ / ₄ "	10	10	8	6	4
	PS 150, PS 150 K06	247	2 ⁷ / ₁₆ "	10	10	8	6	4
	PS 200, PS 200 K06	190	1 ⁵ / ₈ "	6	6	5	4	2
	PS 210, PS 210 K06	141	1 ⁵ / ₈ "	6	6	5	4	2
	PS 300, PS 300 K06	170	1 ³ / ₈ "	5	4	4	3	2
	PS 400, PS 400 K06	146	1"	4	3	0	0	0
	PS 500	97	1 ³ / ₁₆ "	4	3	0	0	0
Table 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 ¹ / ₄ "	10	10	10	9	6
	PS 150, PS 150 K06	247	2 ⁷ / ₁₆ "	10	10	10	8	6
	PS 200, PS 200 K06	190	1 ⁵ / ₈ "	10	10	8	6	3
	PS 210, PS 210 K06	141	1 ⁵ / ₈ "	10	10	8	6	3
	PS 300, PS 300 K06	170	1 ³ / ₈ "	10	10	6	4	2
	PS 400, PS 400 K06	146	1"	6	6	0	0	0
	PS 500	97	1 ³ / ₁₆ "	6	6	0	0	0
Table C – 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 ¹ / ₄ "	50	42	35	20	13
	PS 150, PS 150 K06	247	2 ⁷ / ₁₆ "	36	29	25	14	9
	PS 200, PS 200 K06	190	1 ⁵ / ₈ "	22	18	15	9	5
	PS 210, PS 210 K06	141	1 ⁵ / ₈ "	24	20	17	10	6
	PS 300, PS 300 K06	170	1 ³ / ₈ "	18	15	13	7	5
	PS 400, PS 400 K06	146	1"	11	9	7	4	3
	PS 500	97	1 ³ / ₁₆ "	9	7	6	4	2
Table C – CSA Certified Maximum number of wires Types R, RW, RWU, T, TW	PS 100, PS 100 K06	305	3 ¹ / ₄ "	10	10	8	6	4
	PS 150, PS 150 K06	247	2 ⁷ / ₁₆ "	10	10	8	6	4
	PS 200, PS 200 K06	190	1 ⁵ / ₈ "	8	8	5	4	3
	PS 210, PS 210 K06	141	1 ⁵ / ₈ "	8	8	5	4	3
	PS 300, PS 300 K06	170	1 ³ / ₈ "	8	6	5	3	2
	PS 400, PS 400 K06	146	1"	4	3	0	0	0
	PS 500	97	1 ³ / ₁₆ "	4	3	0	0	0

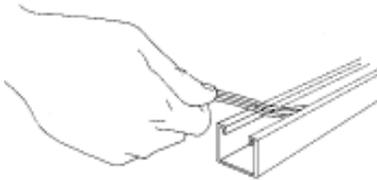
*In all cases, the snap-in-cover, PS 707, is required to complete raceway enclosures.



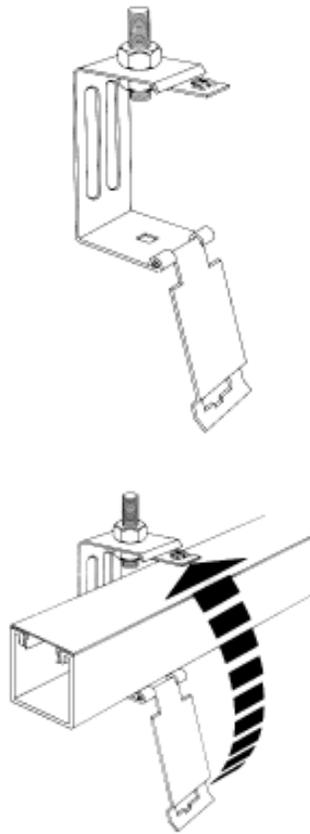
Finish: Painted Green or Pregalvanized Stock Length: 10 feet & 20 feet Order By: No. and Size

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.

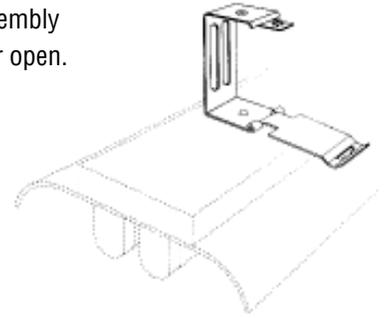


3. Lay raceway into pre-hung channel hanger. Close snap fastening door which securely locks raceway into position.

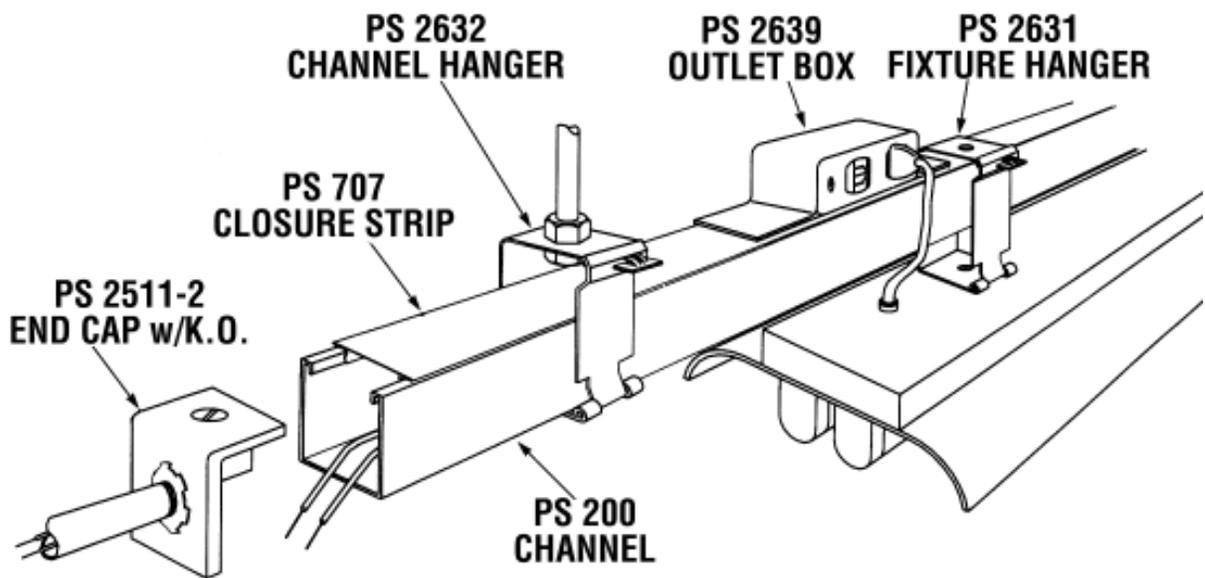
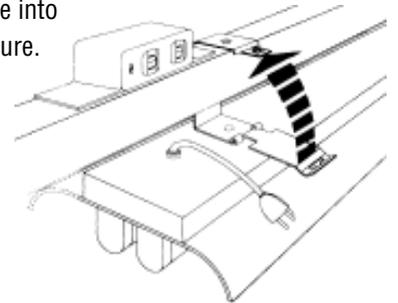


To Install Fluorescent Fixture

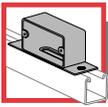
1. Attach PS2631 Fixture Hanger to fixture with quick assembly wing-nut leaving door open.



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.

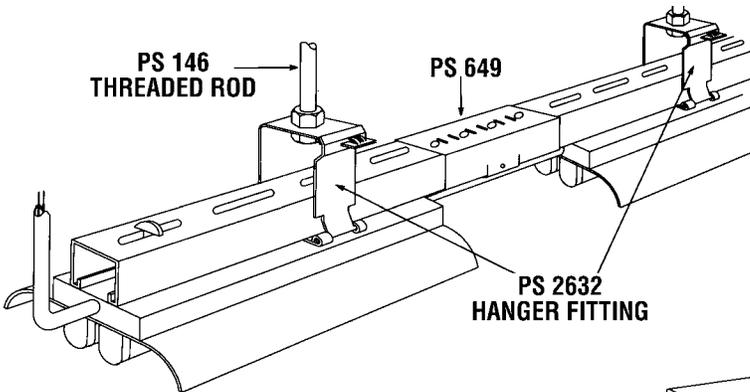
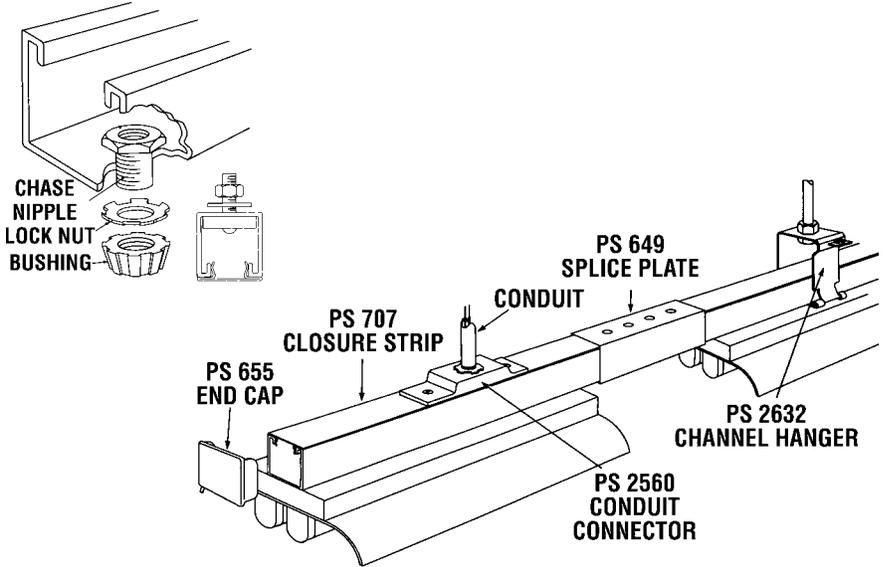


ELECTRICAL

Finish: Painted Green or Pregalvanized Stock Length: 10 feet & 20 feet Order By: No. and Size

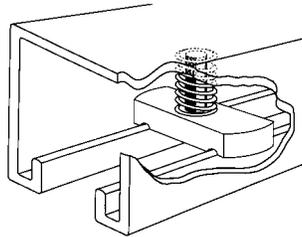
KNOCK-OUT FLUORESCENT RACEWAY SYSTEM

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.



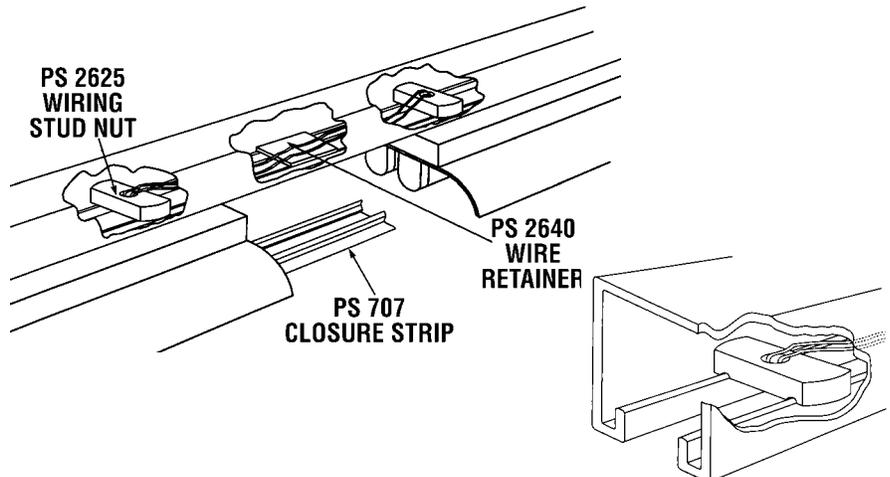
BASIC FLUORESCENT SUPPORT SYSTEM

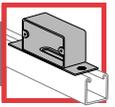
Slot-down channel holds fixture firmly in place with spring nut and bolt. Fixtures may be added or relocated without changing the basic assembly.



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.

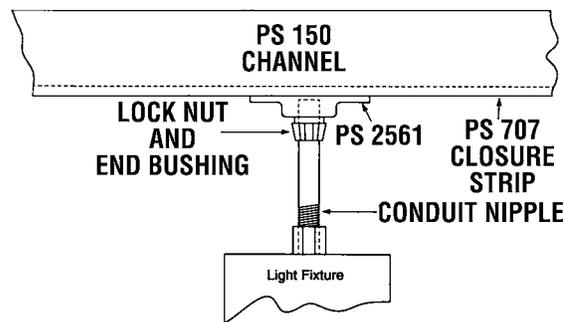
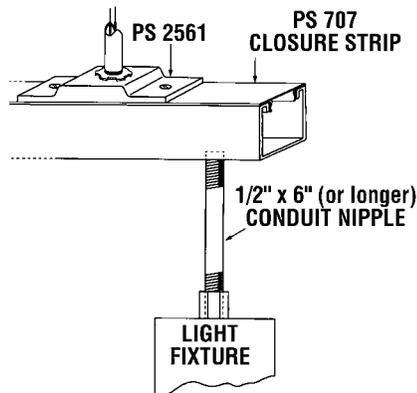




Finish: Painted Green or Pregalvanized Stock Length: 10 feet & 20 feet Order By: No. and Size

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.

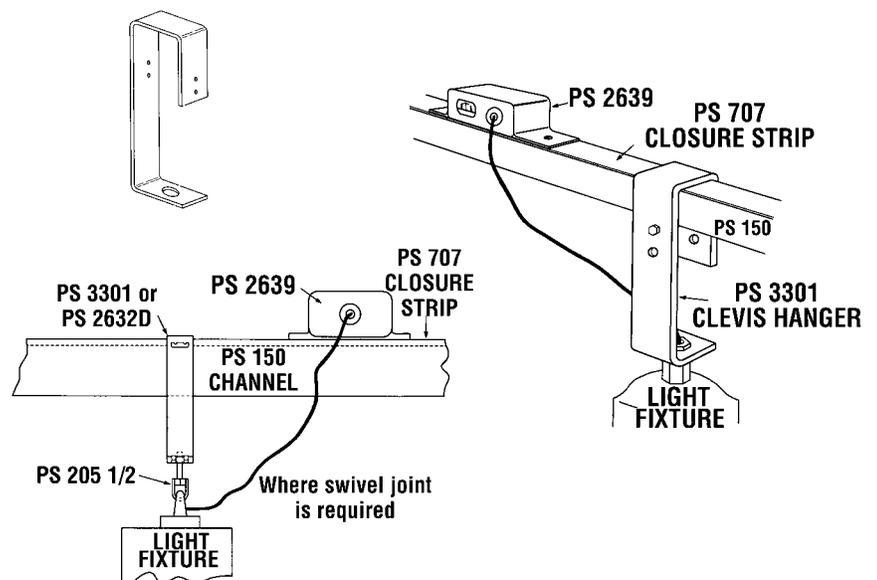


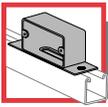
SLOT DOWN MERCURY VAPOR SYSTEM

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.



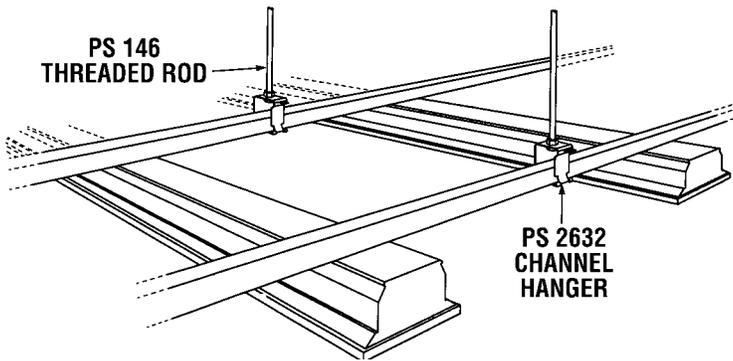
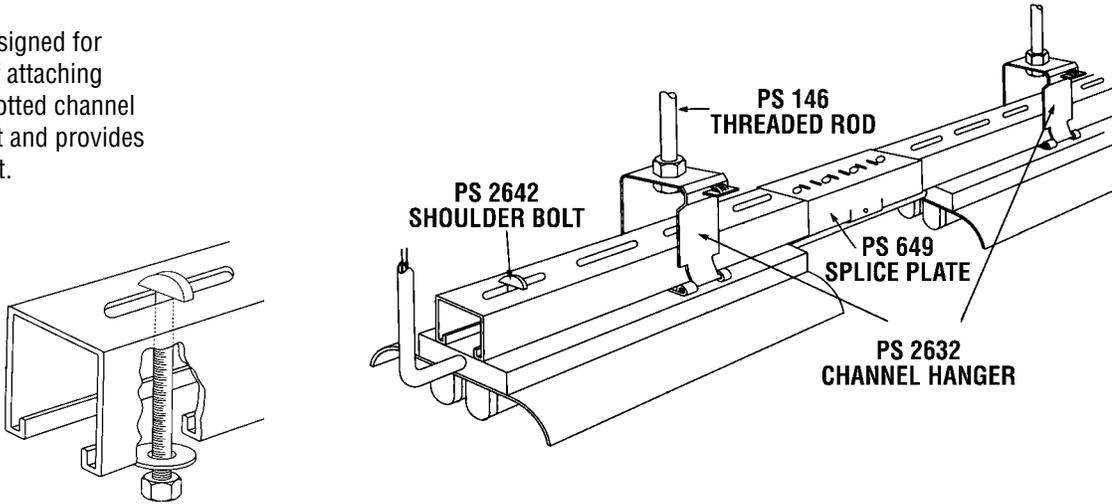


ELECTRICAL

Finish: Painted Green or Pregalvanized **Stock Length:** 10 feet & 20 feet **Order By:** No. and Size

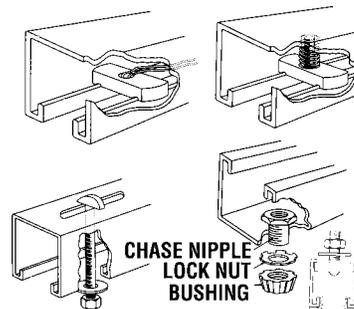
SLOTTED SUPPORT SYSTEM

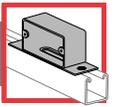
This system is designed for maximum ease of attaching fixture through slotted channel with shoulder bolt and provides positive alignment.



GRID SYSTEM

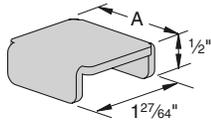
This system is used where fixtures are hung at right angles to Power-Strut raceways and support channels. Any of the features of the above systems can be adapted to this system. Ideal for egg-crate type drop ceiling installations.





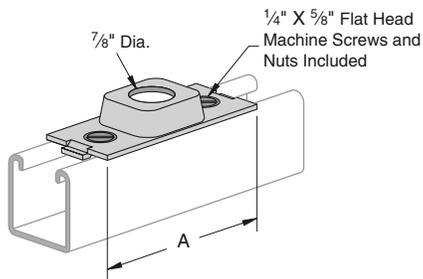
Finish: Painted Green or Pregalvanized Stock Length: 10 feet & 20 feet Order By: No. and Size

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 2560, PS 2561 – Conduit Connector Fitting



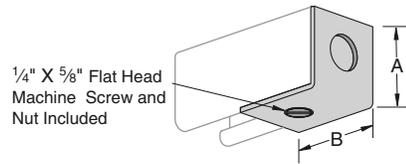
Part No.	Use With	A	Hole	Wt./ 100 pcs
PS 2560	1/2 Conduit"	4"	7/8"	36
PS 2561	3/4 Conduit"	5 1/8"	1 3/32"	36

Stock Size: (.060)

Assembly: Connector Fitting,
2 Nuts, 2 Bolts



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

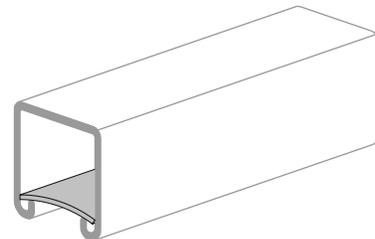
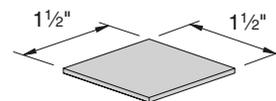


Part No.	Use With	Finish	A	B	Wt./ 100 pcs
PS 2511-1	PS 100	EG	3 1/4"	1 3/4"	3.1
PS 2511-2	PS 200, PS 210	EG	1 5/8"	1 3/4"	2.7
PS 2511-3	PS 300	EG	1 3/8"	1 3/4"	2.6
PS 2581	PS 150	EG	2 7/16"	2"	3.0

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



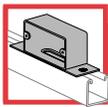
PS 2640 – Wire Retainer



Material: Polypropylene



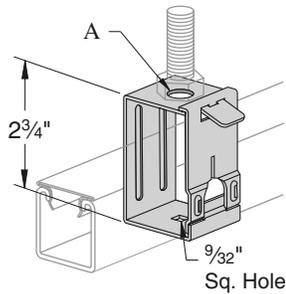
Weight/100 pcs: .30 lbs.



ELECTRICAL

Finish: Painted Green or Pregalvanized **Stock Length:** 10 feet & 20 feet **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

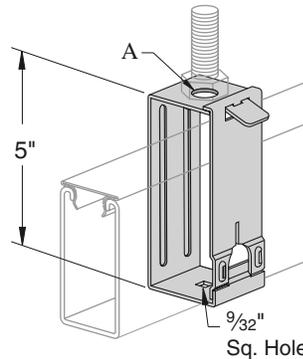
Use With: PS 200, PS 210, PS 300, PS 400 and PS 500

Load Rating: 90 lbs.



Weight/100 pcs: 25 lbs.

PS 2632D – Swing Gate Channel Hanger



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

Finish: Electro-galvanized

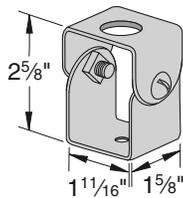
Use With: PS 100, PS 150, PS 200 2T3, and PS 210 2T3

Load Rating: 90 lbs.



Weight/100 pcs: 34 lbs.

PS 659 – Channel Hanger



Use With: PS 400, PS 500

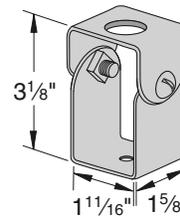
Load Rating: 150 lbs.

NOTE: Washers supplied to adapt to 3/8" or 1/2" rod



Weight/100 pcs: 28 lbs.

PS 658 – Channel Hanger



Use With: PS 200, PS 210, PS 300

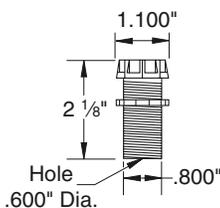
Load Rating: 150 lbs.

NOTE: Washers supplied to adapt to 3/8" or 1/2" rod



Weight/100 pcs: 30 lbs.

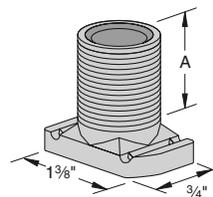
PS 803 – Fixture Wiring Nipple



Assembly: 1/2" x 2" rigid conduit nipple
Bushing Locknut

Weight/100 pcs: 14 lbs.

PS 2625 – Wiring Stud Nut



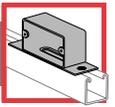
Part No.	A	Identification No.
PS 2625-1/2	1 5/64"	121961
PS 2625-2-5/8	5/8"	121960

Material: Sintered Iron

Size: 1/2" - 14 Amer. Std, conduit thread

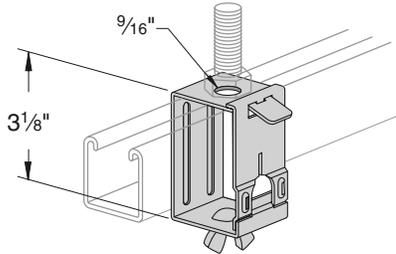


Weight/100 pcs: 10 lbs.



Finish: Painted Green or Pregalvanized Stock Length: 10 feet & 20 feet Order By: No. and Size

PS 2631 – Swing Gate Fixture Hanger

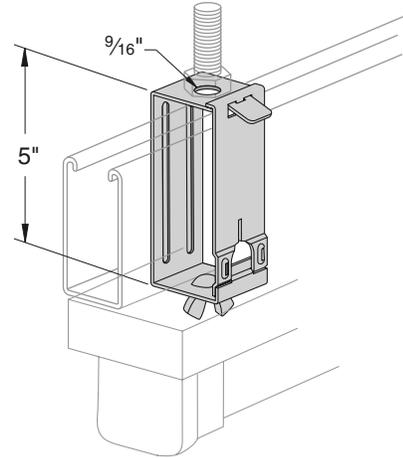


Use With: PS 200, PS 210, PS 300, PS 400 and PS 500
 Load Rating: 90 lbs.
 NOTE: Includes Bolt and Wing Nut for connection to fluorescent fixtures.



Weight/100 pcs: 27 lbs.

PS 2631D – Swing Gate Fixture Hanger

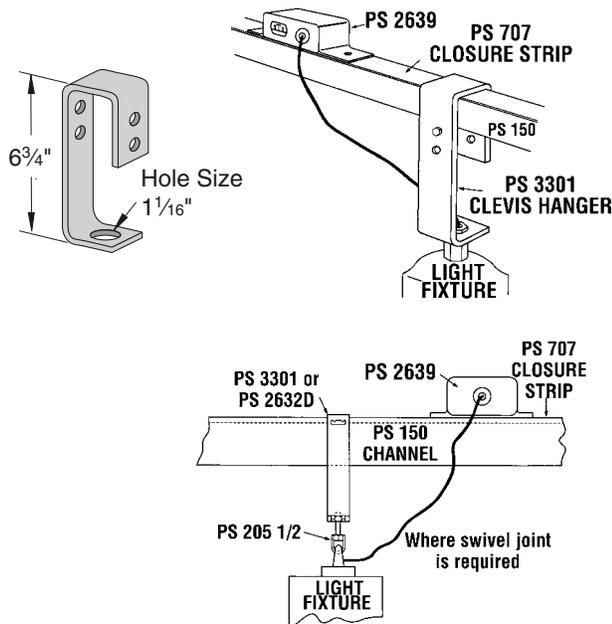


Use With: PS 100, PS 150, PS 200 2T3, PS 210 2T3
 Load Rating: 90 lbs.
 NOTE: Includes Bolt and Wing Nut for connection to fluorescent fixtures.



Weight/100 pcs: 36 lbs.

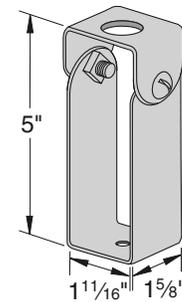
PS 3301 – Mercury Vapor Fixture Hanger



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

Weight/100 pcs: 154 lbs.

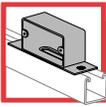
PS 807 – Channel Hanger



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



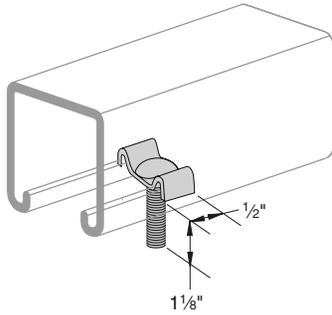
Weight/100 pcs: 35 lbs.



ELECTRICAL

Finish: Painted Green or Pregalvanized Stock Length: 10 feet & 20 feet Order By: No. and Size

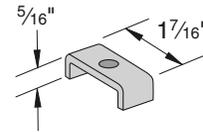
PS 2636 – Fixture Stud Nut



Size: 1/4" x 20 thread, 1 1/4" long

Weight/100 pcs: 5 lbs.

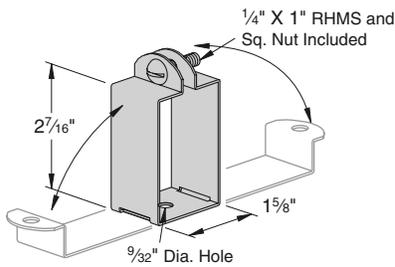
PS 2637 – Fixture Nut



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.

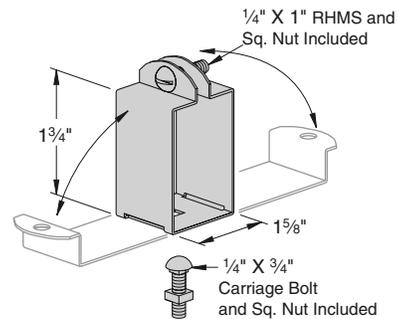
Use hanger for PS 200, PS 210 & PS 300.

Load Rating: 120 lbs.



Weight/100 pcs: 19 lbs.

PS 703 – Fluorescent Fixture Hanger



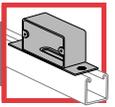
Hanger provides more than 1/8" space between channel and fixtures.

Use hanger for PS 200 & PS 210.

Load Rating: 120 lbs.

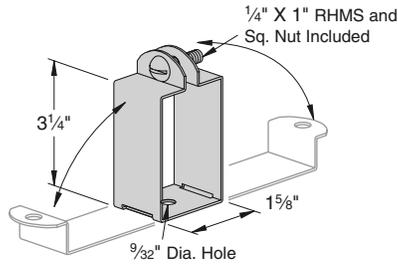


Weight/100 pcs: 17 lbs.



Finish: Painted Green or Pregalvanized **Stock Length:** 10 feet & 20 feet **Order By:** No. and Size

PS 702 D – Fluorescent Fixture Hanger



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

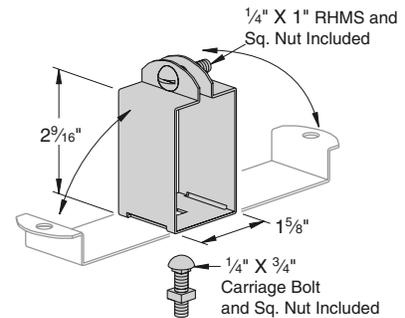
Use hanger for PS 150.

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.

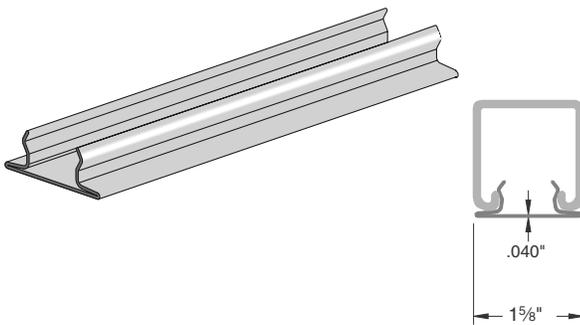
Use hanger for PS 150.

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: (.040) GRN, (.040) PGAL

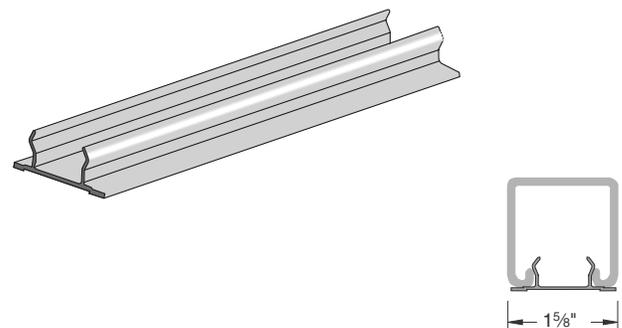
Stock Length: 10 ft.

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



Weight 47 Lbs./ft.

PS 707 – Aluminum Raceway Closure Strip



Material:
6063-T6 Aluminum, Copper Free, Extruded

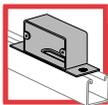
Stock Size: (.051)

Stock Length: 10 ft.

Use With: All 1 5/8" wide channel



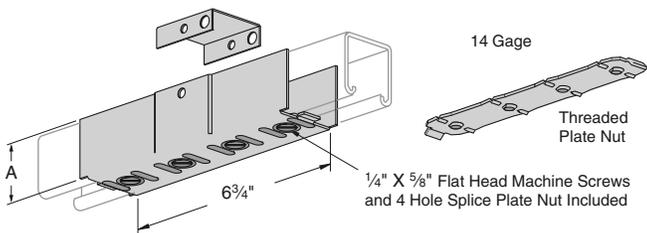
Weight 21 Lbs./ft.



ELECTRICAL

Finish: Painted Green or Pregalvanized Stock Length: 10 feet & 20 feet Order By: No. and Size

PS 649, PS 693, PS 694, PS 805, PS 942, PS 2582 – Electrical Joiner



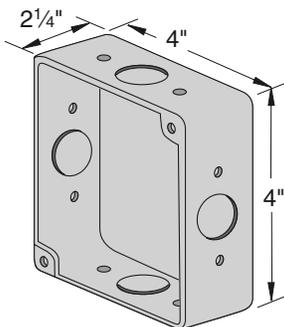
Part No.	A	Use With	Finish	Wt./ 100 pcs
PS 805	1 5/8"	PS 100	EG, GRN	106
PS 2582	1 5/8"	PS 150	EG	103
PS 649	1 5/8"	PS 200, PS 210	EG, GRN	100
PS 694	1 3/8"	PS 300	EG, GRN	97
PS 693	1 1/16"	PS 400	EG, GRN	97
PS 942	1 3/16"	PS 500, PS 520	EG, GRN	80

Stock Size: (.060)

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



PS 2660 – Junction Box

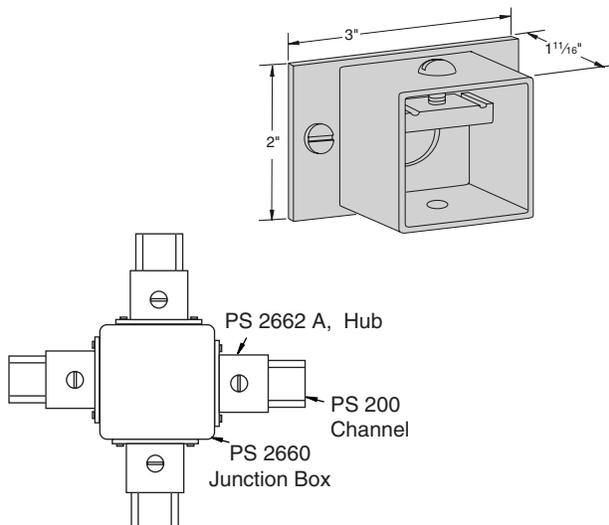


NOTE: Add hub assemblies PS 2662-A
to make 1, 2, 3 or 4-way junction box.



Weight/100 pcs: PS 2660 113 lbs.

PS 2662 - A – Hub Assembly



Use With: PS 200, PS 210

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

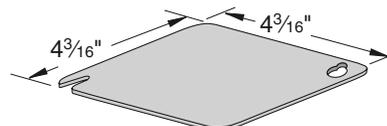
NOTE: Add hub assemblies to the basic PS
2660 unit assembly to make 1, 2, 3 or 4-way
junction box.

Identification No. 122022

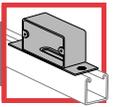


Weight/100 pcs: 27 lbs.

PS 2661 – Junction Box Cover

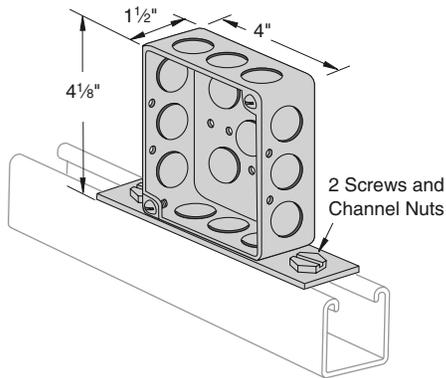


Weight/100 pcs: 30 lbs.



Finish: Painted Green or Pregalvanized Stock Length: 10 feet & 20 feet Order By: No. and Size

PS 2094 - 4" Receptacle Box With Knock-outs



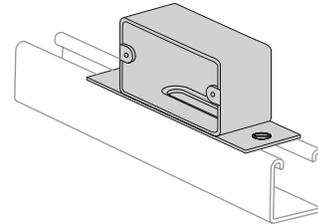
Stock Size: (.075)

Assembly: 1 Box, 2 Screws, 2 Channel Nuts



Weight/100 pcs: 93 lbs.

PS 2639 - Outlet Box



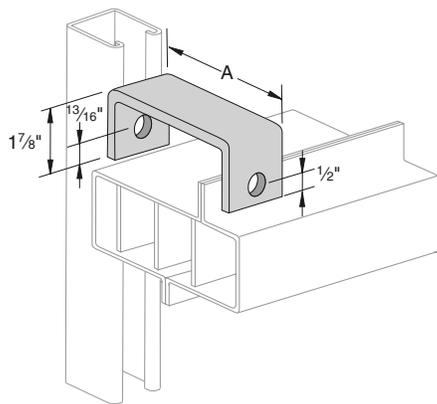
Stock Size: (.075)

Assembly: 1 Box, 2 Screws, 2 Channel Nuts



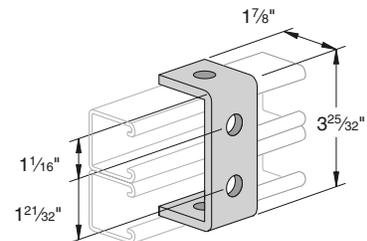
Weight/100 pcs: 88 lbs.

PS 760 - Bus Duct Connection Clevis

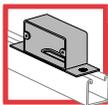


Part No.	Outside Width	Inside Width	Wt./ 100 pcs
PS 760-1	2 ¹³ / ₃₂ "	1 ²⁹ / ₃₂ "	57
PS 760-2	3 ²⁵ / ₃₂ "	3 ⁹ / ₃₂ "	73
PS 760-3	4 ³ / ₄ "	4 ¹ / ₄ "	84

PS 671 - Strut Suspension Member



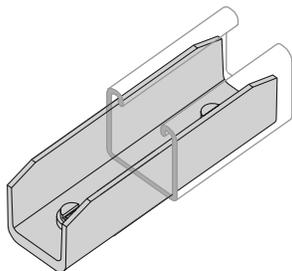
Weight/100 pcs: 70 lbs.



ELECTRICAL

Finish: Painted Green or Pregalvanized Stock Length: 10 feet & 20 feet Order By: No. and Size

PS 2800 – Inside Strut Joiner

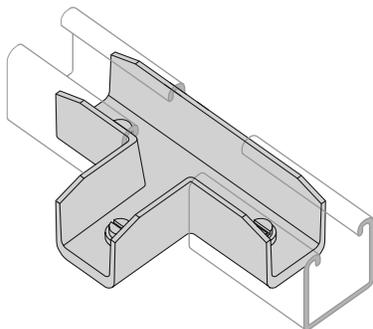


Material: Cast aluminum
Jam screws included



Weight/100 pcs: 20 lbs.

PS 2801 – “T” Inside Strut Joiner

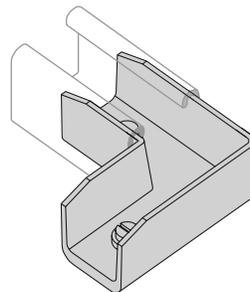


Material: Cast aluminum
Jam screws included



Weight/100 pcs: 35 lbs.

PS 2802 – “Elbow” Inside Strut Joiner

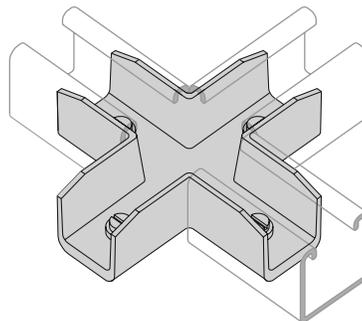


Material: Cast aluminum
Jam screws included



Weight/100 pcs: 27 lbs.

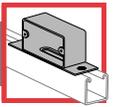
PS 2803 – “Cross” Inside Strut Joiner



Material: Cast aluminum
Jam screws included

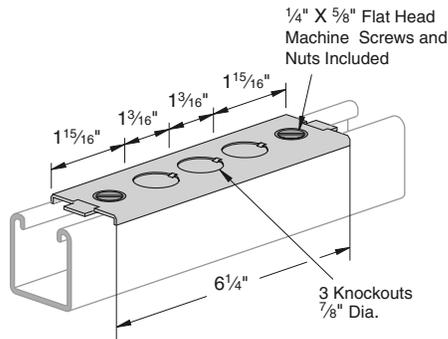


Weight/100 pcs: 45 lbs.



Finish: Painted Green or Pregalvanized Stock Length: 10 feet & 20 feet Order By: No. and Size

PS 791 – Electrical Box Adapter Plate



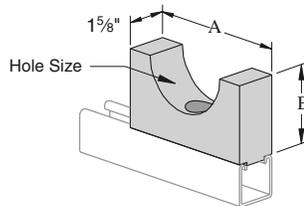
Stock Size: (.060)

Assembly: 1 Plate, 2 Screws,
2 Channel Nuts



Weight/100 pcs: 35 lbs.

PS 1510 – Maple Cable Saddle



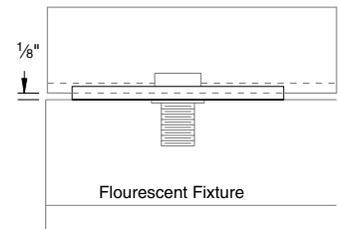
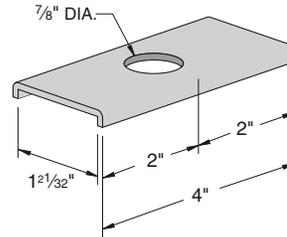
Cable Size	A	B	Wt./ 100 pcs
0" – 1"	3"	1 3/4"	31
1" – 1 1/2"	3 1/2"	2"	38
1 1/2" – 2"	4"	2 1/4"	47
2" – 2 1/2"	4 1/2"	2 1/2"	57
2 1/2" – 3"	5"	2 3/4"	68
3" – 3 1/2"	5 1/2"	3"	80
3 1/2" – 4"	6"	3 1/4"	94

Use With: All 1 5/8" Channel

Assembly: Maple Part, 1 Spring Nut, 1 Flat Head Screw

NOTE: Specify Cable Diameter

PS 2627 – Spacer Clevis

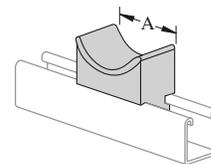


Material: 12 gage



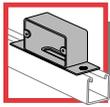
Weight/100 pcs: 24 lbs.

PS 1500 – Porcelain Cable Rack Insulators



Cable Dia.	A	Wt./ 100 pcs
3"	3"	75
4 1/2"	4"	95

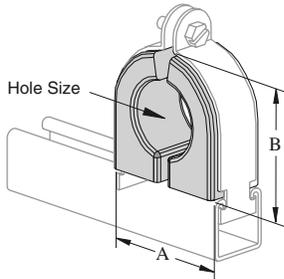
Use With: All 1 5/8" channel



ELECTRICAL

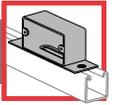
Finish: Painted Green or Pregalvanized Stock Length: 10 feet & 20 feet Order By: No. and Size

PS 723 – Porcelain Cable Clamp



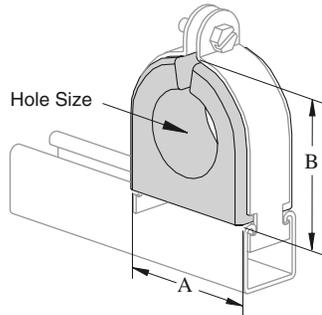
Part Number	Hole Size	PS 1100 Size	A	B	Wt./ 100 pcs
PS723 3/8"	3/8"	1"	1 7/8"	1 15/32"	51
PS723 1/2"	1/2"				47
PS723 5/8"	5/8"				46
PS723 3/4"	3/4"	1 1/2"	2 3/8"	2 1/32"	85
PS723 7/8"	7/8"				84
PS723 1"	1"				83
PS723 1 1/8"	1 1/8"				76
PS723 1 1/4"	1 1/4"	2"	2 7/8"	2 17/32"	116
PS723 1 3/8"	1 3/8"				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 or stainless steel
 Use With: All 1 5/8" channel. EG includes Everdur hardware



Finish: Painted Green or Pregalvanized **Stock Length:** 10 feet & 20 feet **Order By:** No. and Size

PS 722 – Porce -A- Clamp™



Part Number	Hole Size	A	B	Wt./ 100 pcs
PS722 3/8"	3/8"	1 7/8"	1 15/32"	25
PS722 1/2"	1/2"			
PS722 5/8"	5/8"			
PS722 3/4"	3/4"	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 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"	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"	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"	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"	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"	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"			

Porce -A- Clamp™

- Non-Breakable TPE Material
- U.V. Resistant
- U.L. Listed
- Electro-galvanized or 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.

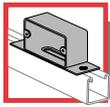
Replaces the two piece PS 723 Porcelain Cable Clamp
Includes Everdur Hardware

Patents Pending

Strap Material: Electro-galvanized steel or stainless steel

Use With: All 1 5/8" channel

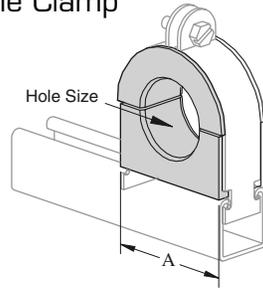




ELECTRICAL

Finish: Painted Green or Pregalvanized Stock Length: 10 feet & 20 feet Order By: No. and Size

PS 1610 – Maple Cable Clamp



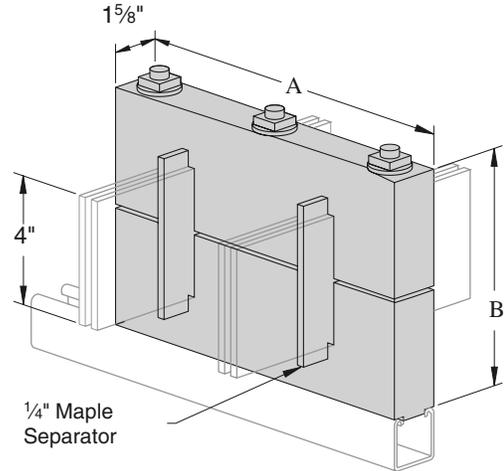
Inside Diameter	A	PS 1100 Size	Wt./ 100 pcs
0 to 5/8"	1 5/16"	1"	24
1/2 to 1"	1 15/16"	1 1/2"	42
3/4 to 1 1/2"	2 3/8"	2"	54
1 1/4 to 1 3/4"	3 1/2"	3"	65
1 1/2 to 2 1/4"	4"	3 1/2"	84
2 to 2 1/2"	4 1/2"	4"	107
2 1/4 to 3"	5 9/16"	5"	123
3 to 4"	6 5/8"	6"	163

Use With: All 1 5/8" Wide Channel

Assembly: Maple Part, Pipe Clamp Assembly

NOTE: Specify Cable Diameter

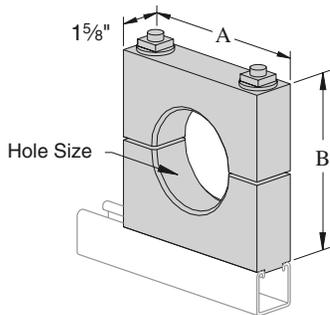
PS 1850 – Maple Bus Bar Clamp



Use With: All 1 5/8" Channels.

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

PS 1801 – Square Maple Cable Clamps



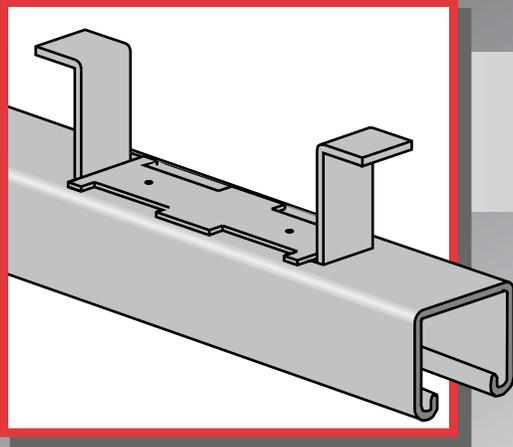
Inside Diameter Size	A & B	Wt./ 100 pcs
0" – 1"	3 1/2"	84
1" – 1 1/2"	4"	102
1 1/2" – 2"	4 1/2"	121
2" – 2 1/2"	5 1/2"	165
2 1/2" – 3"	6"	189
3" – 3 1/2"	6 1/2"	215
3 1/2" – 4"	7"	243

Use With: All 1 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	1/4 x 2"	8 1/2"	5 3/8"	0	360
2	1/4 x 2"	9 1/2"	5 3/8"	2	400
3	1/4 x 2"	10 1/2"	5 3/8"	4	430
4	1/4 x 2"	11 1/2"	5 3/8"	6	460
5	1/4 x 2"	12 1/2"	5 3/8"	8	490
6	1/4 x 2"	13 1/2"	5 3/8"	10	520
1	1/4 x 4"	8 1/2"	7 3/8"	0	421
2	1/4 x 4"	9 1/2"	7 3/8"	2	465
3	1/4 x 4"	10 1/2"	7 3/8"	4	509
4	1/4 x 4"	11 1/2"	7 3/8"	6	553
5	1/4 x 4"	12 1/2"	7 3/8"	8	597
6	1/4 x 4"	13 1/2"	7 3/8"	10	631
1	1/4 x 6"	8 1/2"	9 3/8"	0	567
2	1/4 x 6"	9 1/2"	9 3/8"	2	628
3	1/4 x 6"	10 1/2"	9 3/8"	4	689
4	1/4 x 6"	11 1/2"	9 3/8"	6	750
5	1/4 x 6"	12 1/2"	9 3/8"	8	811
6	1/4 x 6"	13 1/2"	9 3/8"	10	872



CONCRETE INSERTS

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:

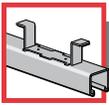
Standard lengths are 10 or 20 feet. Non-standard lengths from 3 inches to 20 feet are also available.

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:

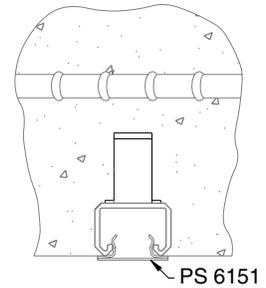
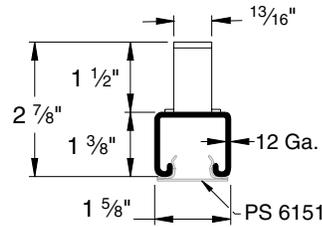
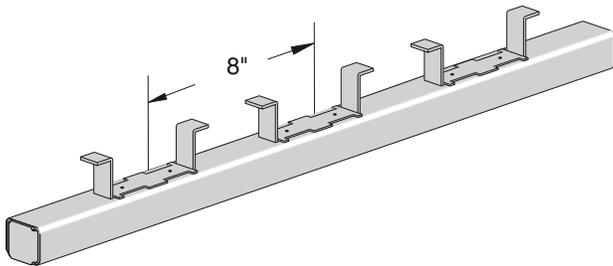
When ordering, add the length or size and finish to the part number. See pages 8-10 for finish abbreviations and an example.



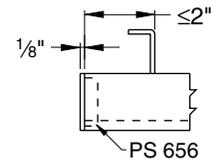
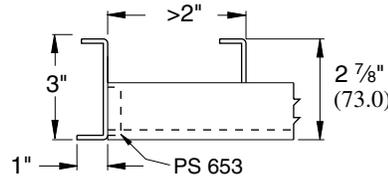
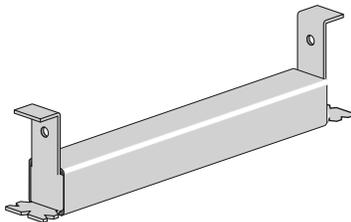
CONCRETE INSERTS

Finish: Plain, Pregalvanized or Hot-Dipped Galvanized **Stock Thickness:** .105 (12 ga.) **Stock Length:** 20 feet
 Other lengths made to order **Order By:** No. and Size

PS 349 – Continuous Concrete Insert (1⁵/₈" x 1³/₈")



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

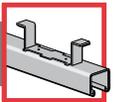


Furnished with steel end caps and plastic closure strips installed

- Use channel nuts designed for PS 300 Channel.
- Nail or anchor the inserts to forms every 16" to 24"

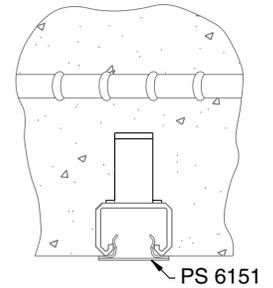
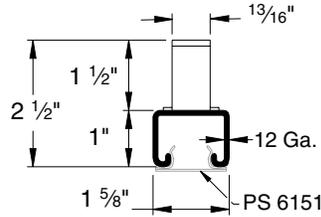
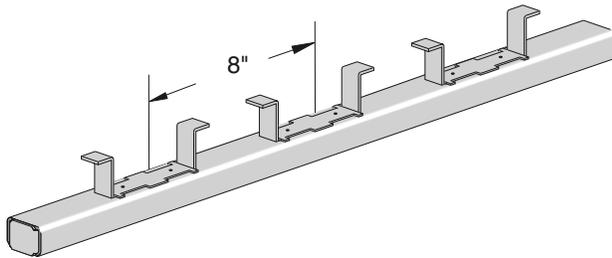
Part No.	End Cap	Wt./100 pcs		Load Data*
		PLN		
PS 349 3' CS/EC	PS 653	72		500 lbs
PS 349 4' CS/EC	PS 653	87		800 lbs.
PS 349 6" CS/EC	PS 653	117		1,000 lbs.
PS 349 8" CS/EC	PS 653	147		1,200 lbs.
PS 349 1' CS/EC	PS 653	194		2,000 lbs.
PS 349 1'4" CS/EC	PS 656	253		2,000 lbs./ft.
PS 349 1'8" CS/EC	PS 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
PS 349 20' W/O	Insert Only	3,554		on inserts in 3,000 psi concrete.

CONCRETE INSERTS

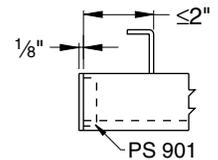
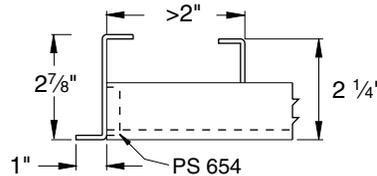
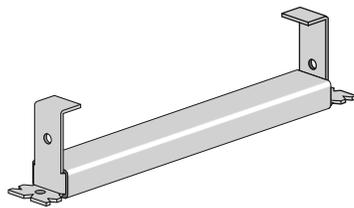


Finish: Plain, Pregalvanized or Hot-Dipped Galvanized **Stock Length:** 20 feet Other lengths made to order
Order By: No. and Size

PS 449 – Continuous Concrete Insert (1⁵/₈" x 1")



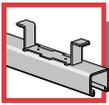
Choice of end cap is based on the distance from the end of the insert to the first anchor as shown below.



Furnished with steel end caps and plastic closure strips installed

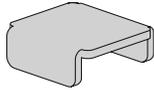
Part No.	End Cap	Wt./100 pcs		Load Data*
		PLN		
PS 449 3" CS/EC	PS 654	62		500 lbs
PS 449 4" CS/EC	PS 654	74		600 lbs.
PS 449 6" CS/EC	PS 654	99		800 lbs.
PS 449 8" CS/EC	PS 654	124		1,000 lbs.
PS 449 1' CS/EC	PS 654	163		1,600 lbs./ft.
PS 449 1'4" CS/EC	PS 901	213		1,600 lbs./ft.
PS 449 1'8" CS/EC	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"



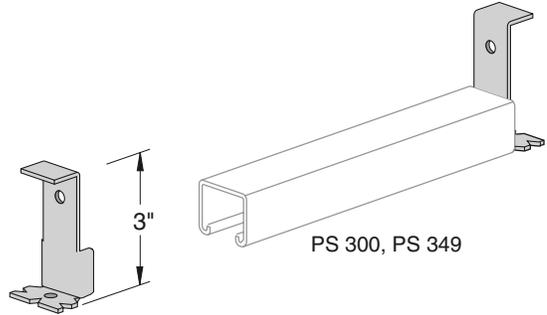
CONCRETE INSERTS

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

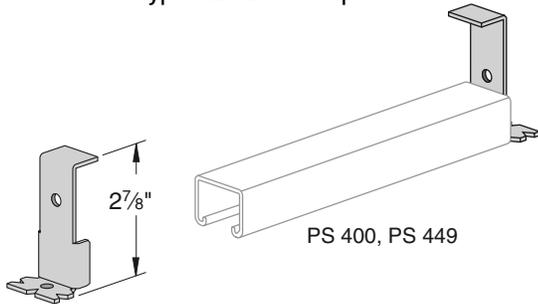
PS 653 – Type 'B' End Cap



Finish: Pre-galvanized

Weight/100 pcs: 14 lbs.

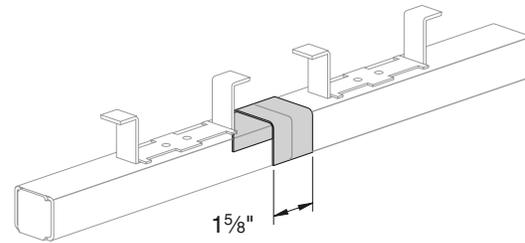
PS 654 – Type 'B' End Cap



Finish: Pre-galvanized

Weight/100 pcs: 12 lbs.

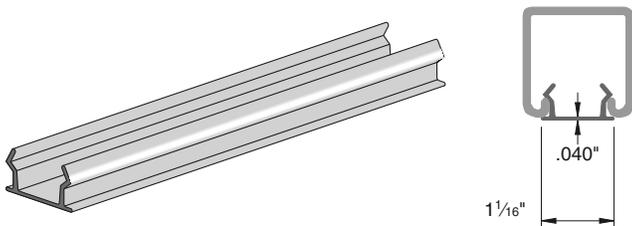
PS 1154 – Splice Connection



Use With: PS 349

Weight/100 pcs: 10 lbs.

PS 6151 – Plastic Closure Strip

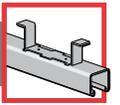


Material: Plastic

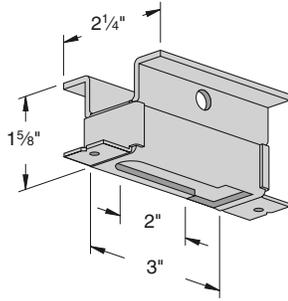
Stock Length: 10 ft.

Use With: All 1 5/8" channel and inserts to prevent concrete seepage

Weight/100 pcs: 47 lbs.



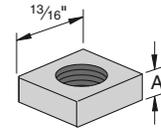
PS 285 – Light Weight Concrete Insert



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

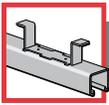
Finish: Plain or Electro-galvanized

PS 285 N – Concrete Insert Nut (for use with PS 285)



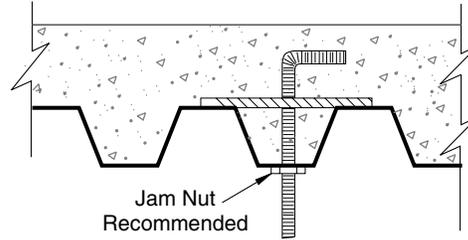
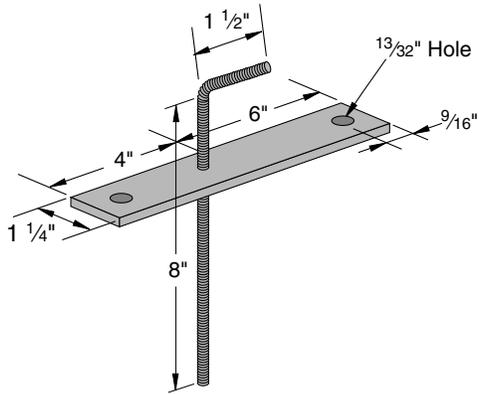
Part No.	Rod Size	A	Wt./ 100 pcs
PS 285	1/4"	5/16"	6
PS 285	3/8"	5/16"	5
PS 285	1/2"	7/16"	6

Finish: Plain or Electro-galvanized



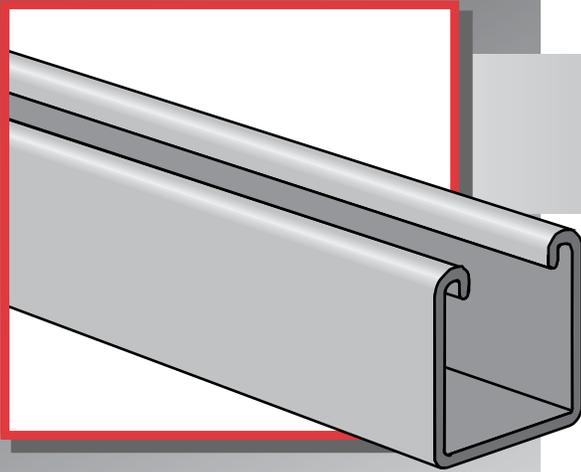
CONCRETE INSERTS

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



JUNIOR CHANNEL

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:

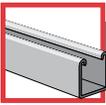
Fitting Thickness: $1/8$ "
Fitting Width: $13/16$ "
Hole Diameter: $9/32$ "
Hole Spacing: $1 1/16$ " on centers and $13/32$ " from end.

■ 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:

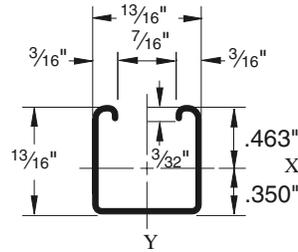
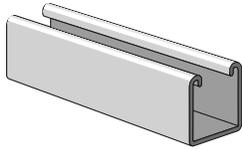
When ordering, add the length or size and finish to the part number. See pages 8-10 for finish abbreviations and an example.



JUNIOR CHANNEL

Finish: Electro-galvanized Stock Width: $1\frac{3}{16}$ " Stock Thickness: $\frac{1}{8}$ " Stock Length: 10 feet Order By: Part No. and Size
 Hole Spacing: $1\frac{3}{32}$ " from end, $1\frac{1}{16}$ " on center Hole Diameter: $\frac{9}{32}$ "

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



BEAM LOADING DATA – PS 600J CHANNEL

Span In	Max Defl. at		Uniform Loading at Deflection		
	Allowable Uniform Load Lbs	Uniform Load In	Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
18	220	0.06	220	220	170
24	170	0.11	170	150	100
30	130	0.18	130	90	60
36	110	0.26	90	70	40
42	100	0.35	60	50	30
48	80	0.45	50	40	20
54	70	0.58	40	30	20
60	70	0.71	30	20	20

COLUMN LOADING DATA – PS 600J CHANNEL

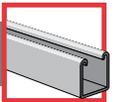
Unbraced Height In	Maximum Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
		K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
18	570	1,650	1,340	960	670
24	450	1,210	840	540	370
30	340	820	540	350	240
36	270	570	370	240	170
42	210	420	280	180	120
48	170	320	210	130	90
54	140	250	170	110	**
60	120	200	130	**	**

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

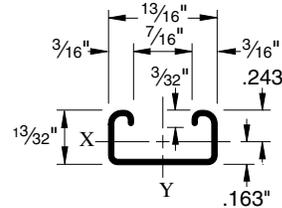
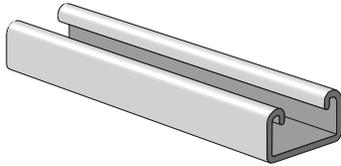
Weight (lbs./100 ft.)	Area of Section (Inch ²)	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)	Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)
35	0.103	.009	.020	.294	.012	.028	.333

JUNIOR CHANNEL



Finish: Electro-galvanized Stock Width: $1\frac{3}{16}$ " Stock Thickness: $\frac{1}{8}$ " Stock Length: 10 feet Order By: Part No. and Size
Hole Spacing: $1\frac{3}{32}$ " from end, $1\frac{1}{16}$ " on center Hole Diameter: $\frac{9}{32}$ "

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



BEAM LOADING DATA – PS 700J CHANNEL

Span In	Max Allowable	Defl. at	Uniform Loading at Deflection		
	Uniform Load Lbs	Uniform Load In	Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
18	80	0.10	80	60	40
24	60	0.18	40	30	20
30	50	0.28	30	20	10
36	40	0.40	20	10	10

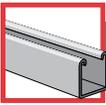
COLUMN LOADING DATA – PS 700J CHANNEL

Unbraced Height In	Maximum Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
		K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
18	320	970	720	470	330
24	230	620	410	260	180
30	170	400	260	**	**
36	130	280	180	**	**

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 ²)	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)	Moment of Inertia (Inch ⁴)	Section Modulus (Inch ³)	Radius of Gyration (Inch)
24	0.072	0.002	0.007	0.148	0.007	0.017	0.306



JUNIOR CHANNEL

Finish: Electro-galvanized Stock Width: $1\frac{3}{16}$ " Stock Thickness: $\frac{1}{8}$ " Stock Length: 10 feet Order By: Part No. and Size
 Hole Spacing: $1\frac{3}{32}$ " from end, $1\frac{1}{16}$ " on center Hole Diameter: $\frac{9}{32}$ "

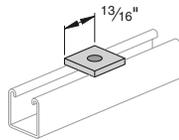
PS 3017 – Junior Channel Nuts



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

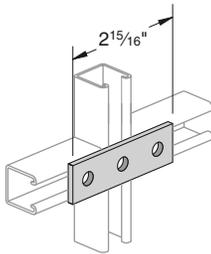
Use With: PS 600J channel

PS 2013 – Square Washer



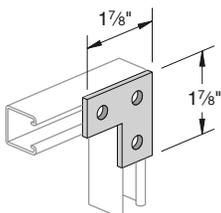
Weight/100 pcs: 2 lbs.

PS 2015 – Three-Hole Splice Plate



Weight/100 pcs: 8 lbs.

PS 2033 – Flat Angle Plate



Weight/100 pcs: 8 lbs.

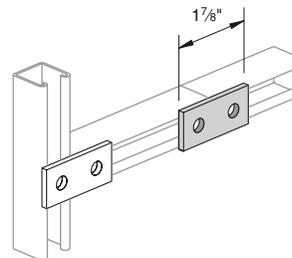
PS 4017 – Junior Channel Nuts



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

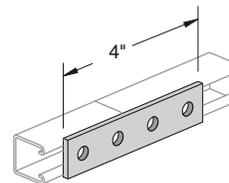
Use With: PS 700J channel

PS 2014 – Two-Hole Splice Plate



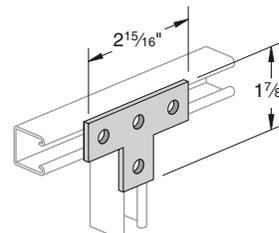
Weight/100 pcs: 5 lbs.

PS 2016 – Four-Hole Splice Plate



Weight/100 pcs: 11 lbs.

PS 2034 – Tee Plate



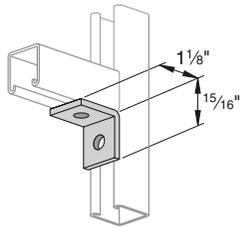
Weight/100 pcs: 11 lbs.

JUNIOR CHANNEL



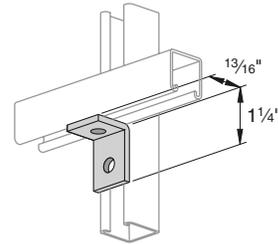
Finish: Electro-galvanized Stock Width: $1\frac{3}{16}$ " Stock Thickness: $\frac{1}{8}$ " Stock Length: 10 feet Order By: Part No. and Size
Hole Spacing: $1\frac{3}{32}$ " from end, $1\frac{1}{16}$ " on center Hole Diameter: $\frac{9}{32}$ "

PS 2008 – Two-Hole Corner Angle



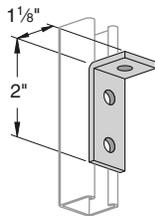
Weight/100 pcs: 5 lbs.

PS 2017 – Two-Hole Corner Angle



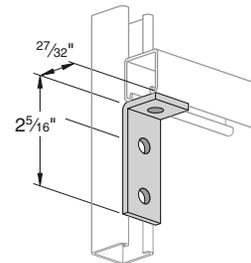
Weight/100 pcs: 5 lbs.

PS 2018 – Three-Hole Corner Angle



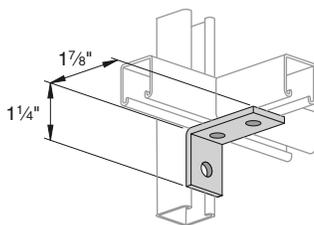
Weight/100 pcs: 8 lbs.

PS 2025 – Three-Hole Corner Angle



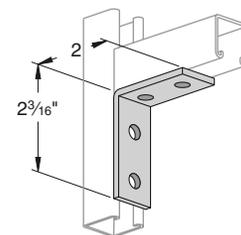
Weight/100 pcs: 8 lbs.

PS 2037 – Three-Hole Corner Angle



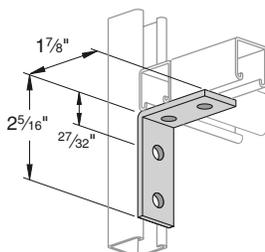
Weight/100 pcs: 8 lbs.

PS 2019 – Four-Hole Corner Angle



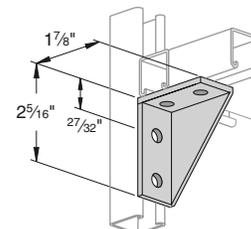
Weight/100 pcs: 11 lbs.

PS 2024 – Four-Hole Corner Angle



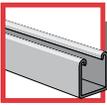
Weight/100 pcs: 11 lbs.

PS 2023 R or L – Four-Hole Shelf Bracket



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

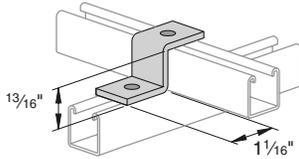
Weight/100 pcs: 19 lbs.



JUNIOR CHANNEL

Finish: Electro-galvanized **Stock Width:** $1\frac{3}{16}$ " **Stock Thickness:** $\frac{1}{8}$ " **Stock Length:** 10 feet **Order By:** Part No. and Size
Hole Spacing: $1\frac{3}{32}$ " from end, $1\frac{1}{16}$ " on center **Hole Diameter:** $\frac{9}{32}$ "

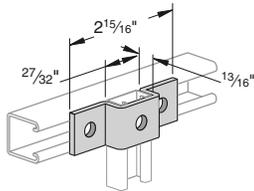
PS 2010 – Zee Support



Use With: PS 600J

Weight/100 pcs: 7 lbs

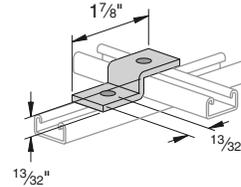
PS 2011 – "U" Support



Use With: PS 600J

Weight/100 pcs: 12 lbs.

PS 2026 – Zee Support



Use With: PS 700J

Weight/100 pcs: 6 lbs.

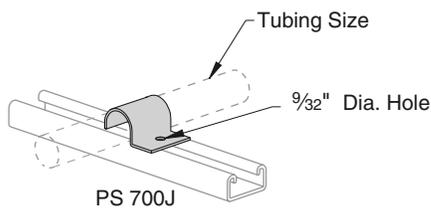
PS 2029 – End Cap



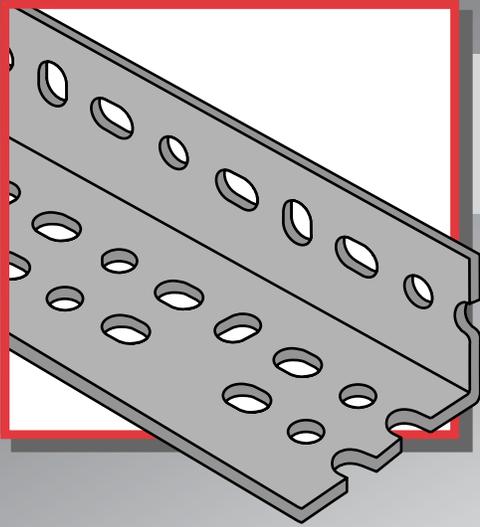
Use With: PS 600J

Weight/100 pcs: 2 lbs.

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-ANGLE®

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 8-10 for finish abbreviations and an example.

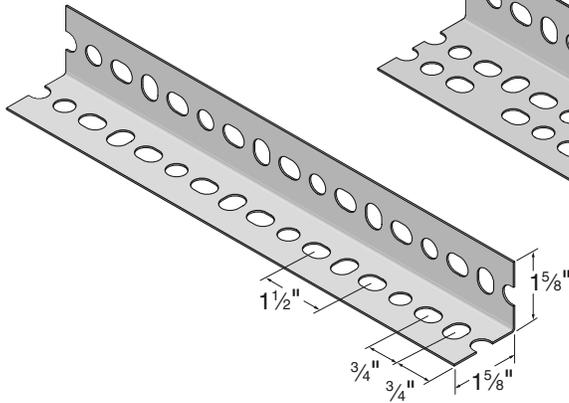


POWER-ANGLE®

Finish: Pregalvanized or Acrylic Green **Stock Thickness:** .075 (14 ga.) **Stock Length:** 10 and 12 feet

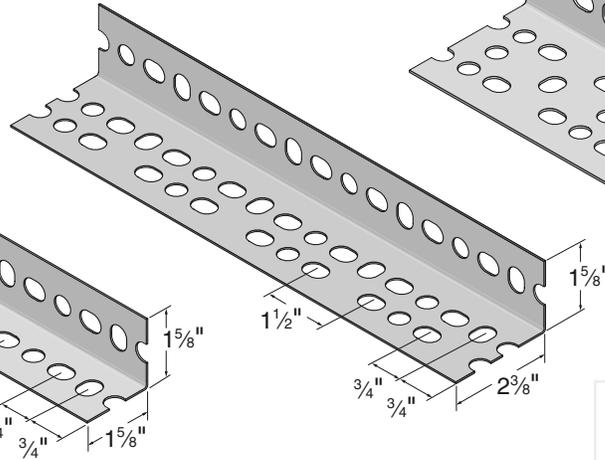
Order By: No., Size and Finish

PA 158 – Light Duty
(1⁵/₈" x 1⁵/₈" x 14 ga.)



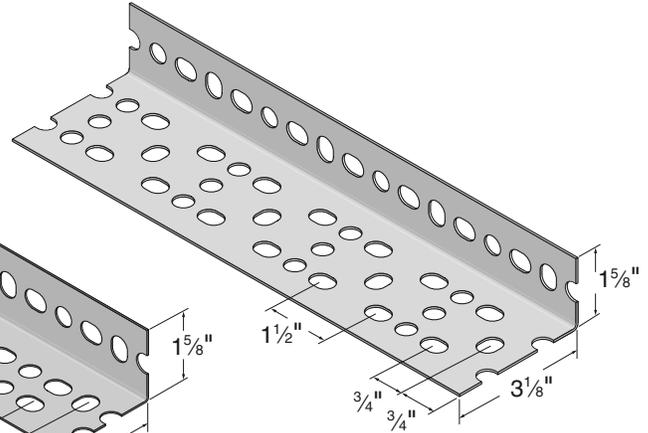
Weight/100 ft.: 66 lbs.

PA 238 – Medium Duty
(1⁵/₈" x 2³/₈" x 14 ga.)



Weight/100 ft.: 80 lbs.

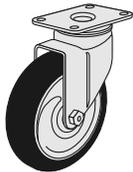
PA 318 – Heavy Duty
(1⁵/₈" x 3¹/₈" x 12 ga.)



Note: Includes Serrated Nuts & Bolts

Weight/100 ft.: 130 lbs.

PA 1Sc – Swivel Caster



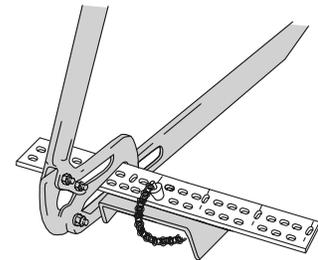
Weight/100 pcs: 170 lbs.

PA 1RC – Rigid Caster



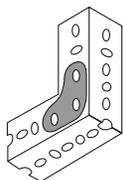
Weight/100 pcs: 110 lbs.

PA 1HDC –
Portable Cutter



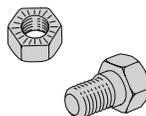
Weight/each: 17 lbs.

PA 1GP – Gusset Plate



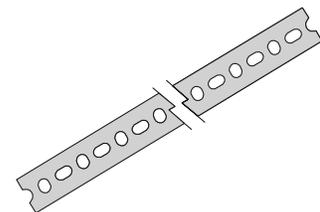
Weight/100 pcs: 9 lbs.

PA 1SNB – Serrated Nuts and Bolts (Package of 75 nuts and 75 bolts)



Weight/100 pcs: 7 lbs.

PA 1RP – Slotted Strap



Weight/100 pcs: 35 lbs.

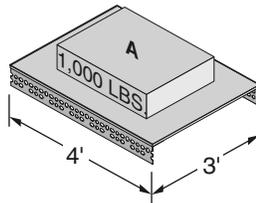


Beam Load Calculations

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.

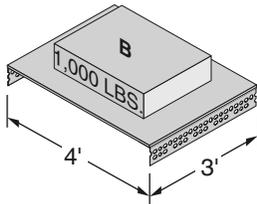
Example - Load "A"

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 143) 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 1,110 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 143) 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 "I" which will support 1,100 lbs.

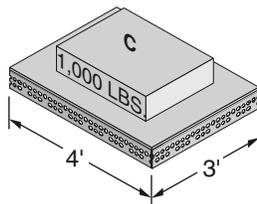


Example - Load "C"

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:

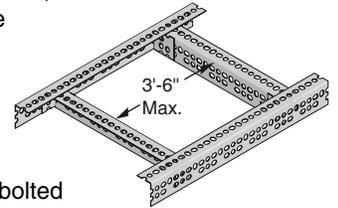
2 (beams) x 4' (length) x 72 lbs./ft. = 576 lbs. total weight

The 36" row of Table 2 (Page 143) 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 "H" which will support 680 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.)

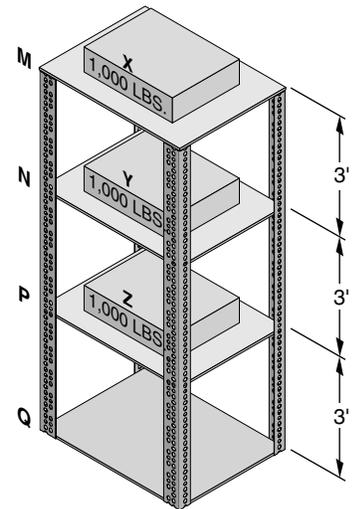
Since all load areas are supported equally by the 4-columns, the calculations are based on a single-column section.

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 144) 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.





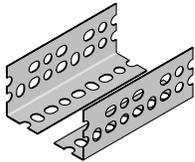
POWER-ANGLE®

Finish: Pregalvanized or Acrylic Green Stock Thickness: .075 (14 ga.) Stock Length: 10 and 12 feet

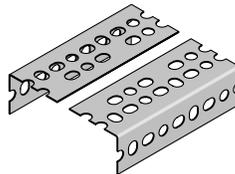
Order By: No., Size and Finish

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

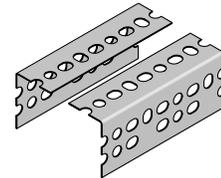
G – Two Single Pieces (Up)



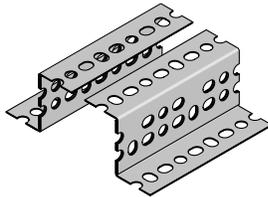
H – Two Single Pieces (Level)



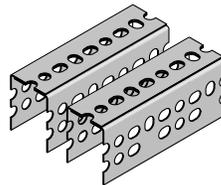
I – Two Single Pieces (Down)



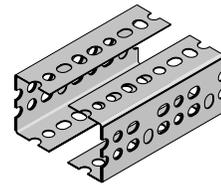
J – Two Z-Sections



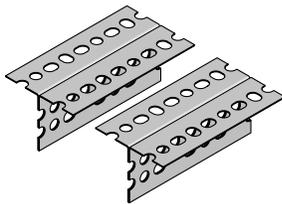
K – Two Narrow Channels



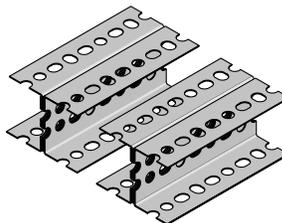
L – Two Broad Channels



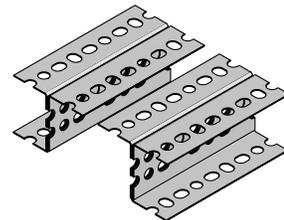
M – Two T-Sections



N – Two I-Section

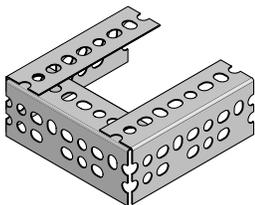


O – Two J-Sections

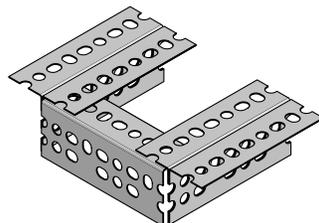


■ Beam Configurations With Stiffeners (See corresponding letters in table on following page for load data)

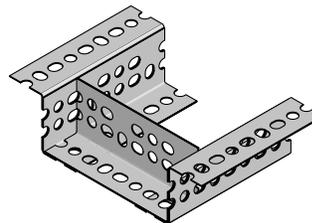
P – Single Pieces w/Stiffner



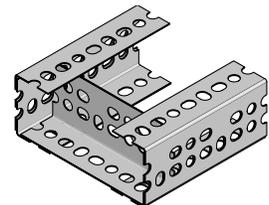
Q – T-Sections w/Stiffener



R – Z-Sections w/Stiffener



R – I-Sections w/Stiffener





Finish: Pregalvanized or Acrylic Green Stock Thickness: .075 (14 ga.) Stock Length: 10 and 12 feet

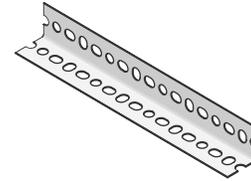
Order By: No., Size and Finish

Beam Loads PA 158 – Light Duty (1⁵/₈" x 1⁵/₈" x 14 ga.)

TABLE 1

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

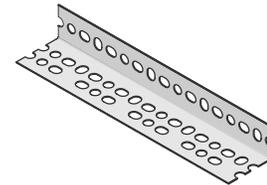


Beam Loads PA 238 – Medium Duty (1⁵/₈" x 2³/₈" x 14 ga.)

TABLE 2

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

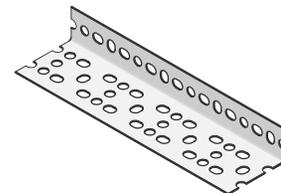


Beam Loads PA 318 – Heavy Duty (1⁵/₈" x 3¹/₈" x 12 ga.)

TABLE 3

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.



POWER-ANGLE®

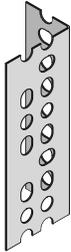
Finish: Pregalvanized or Acrylic Green Stock Thickness: .075 (14 ga.) Stock Length: 10 and 12 feet

Order By: No., Size and Finish

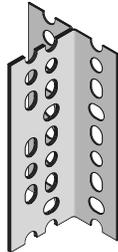
COLUMN SECTIONS

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

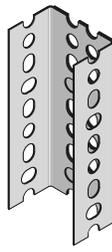
A – Single Piece



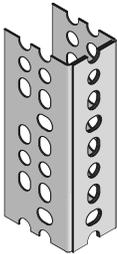
B – T-Section



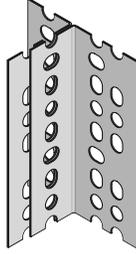
B – Broad Channel Section



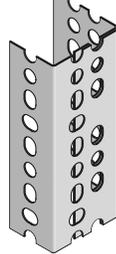
B – Narrow Channel Section



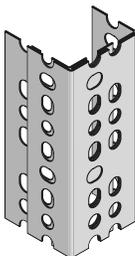
C – Uneven T-Section



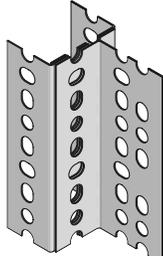
C – Uneven Channel Section



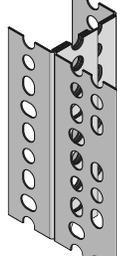
D – Dual Channel Section



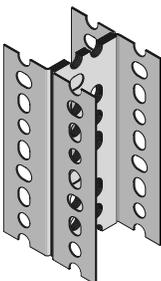
D – T-Channel Section



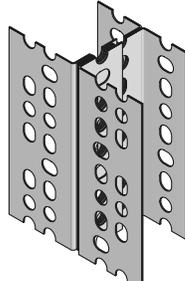
D – T-Channel Section



E – I-Section



F – Uneven I-Section



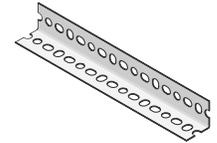
COLUMN LOAD

PA 158 – Light Duty ($1\frac{5}{8}$ " x $1\frac{5}{8}$ " x 14 ga.)

TABLE 4

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

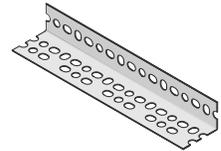


PA 238 – Medium Duty ($1\frac{5}{8}$ " x $2\frac{3}{8}$ " x 14 ga.)

TABLE 5

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

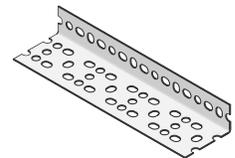


PA 318 – Heavy Duty ($1\frac{5}{8}$ " x $3\frac{1}{8}$ " x 12 ga.)

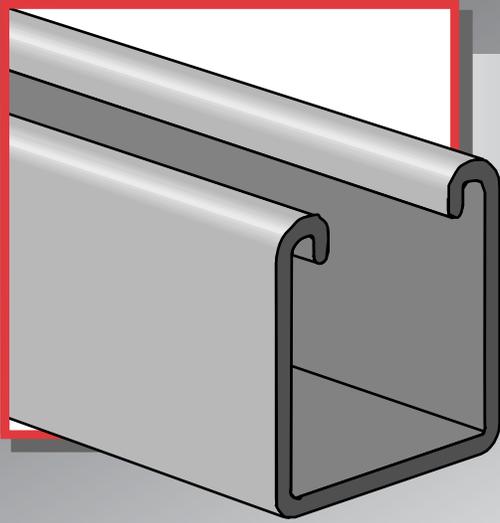
TABLE 6

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.



FIBERGLASS

The installation of fiberglass channel and accessories is similar to the installation of metallic channel and accessories. All standard installation practices and procedures apply. In general, special handling is not required. Fabrication of Aickinstrut components requires just three simple operations; cutting, drilling and sealing.



FIBERGLASS

Fabrication

Cutting – Cutting can be accomplished with a wide variety of saws. Hand held saws, such as hack saws (24 to 32 teeth per inch) are suitable when a few number of cuts are required. For frequent cutting, a circular power saw with a carbide-tipped masonry blade yields the best results and the greatest number of cuts. When using a power saw, dust filter masks, gloves and long sleeve clothing should be worn.

Drilling – Any standard twist bit, even when used with battery-powered drills will work well. Carbide-tipped drill bits are recommended.

Sealing – To protect against future migration of corrosive elements into the cut sections, all cuts and holes should be properly sealed using Aickincoat or Aickinzap.

Material

Aickinstrut components utilize a combination of materials from the following resin families covering distinct temperature ranges:

Material Code	Low/High Temperature	Material
E	-25°F/130°F	PVC (extruded)
P	-35°F/200°F	Polyester (pultruded)
V	-35°F/200°F	Vinyl ester (pultruded)
PU	-40°F/140°F	Polyurethane (injection molded)
PP	-30°F/150°F	Polypropylene (injection molded)
N	-20°F/150°F	Nylon (injection molded)

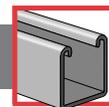
The temperature ranges indicated are meant to be used only as a general guideline. Continual exposure to elevated temperatures reduces the strength properties of plastics and glass reinforced fiberglass. Actual resin test data confirms that a 50% reduction in strength occurs at the extreme high temperature levels.

Chemical Resistance

Each resin family has its own specifications regarding its performance against corrosion resistance. Use the following chart to determine which Aickinstrut material system will provide the best performance for your particular application. The results in the chart are based upon immersion for a 24 hour period. This is typically the “worst case” exposure to corrosion. Less severe contact such as spills, splashes and vapor condensate will exceed the performance results listed in the table.

Loading

Channel loading is defined on pages 152 to 153. Additional loading and design limitations for fittings and accessories are described in the appropriate section for that part.



Chemical Compatibility Table

Chemical	Series E (Rigid PVC) 70°-160°F		Series P (Poly/Glass) 70°-160°F		Series V (Vinyl/Glass) 70°-160°F		Series K (PVDF) 70°-160°F		Series PU (Polyurethane) 70°-160°F		Series N (Nylon) 70°-160°F	
Acetic Acid, Up to 10%	R	R	R	R	R	R	R	R	R	-	NR	NR
Acetic Acid, Up to 50%	R	R	R	R	R	R	R	R	R	-	NR	NR
Acetone, Up to 10%	NR	NR	NR	NR	NR	NR	NR	NR	R	-	R	R
Aluminum Hydroxide	R	R	R	R	R	R	R	R	R	-	NR	NR
Ammonium Hydroxide (Aqueous Ammonia), Up to 5%	R	R	NR	NR	R	R	R	R	R	-	-	-
Ammonium Hydroxide, Up to 10%	R	R	NR	NR	R	150°	R	R	R	-	-	-
Ammonium Hydroxide, Up to 20%	R	R	NR	NR	R	150°	R	R	R	-	-	-
Ammonium Nitrate	R	NR	R	R	R	R	R	R	R	-	-	-
Ammonium Phosphate	R	R	R	NR	R	R	R	R	R	-	-	-
Ammonium Sulfide, saturated	R	R	NR	NR	R	120°	R	R	R	-	-	-
Aqua Regia, fumes	NR	NR	NR	NR	R	150°	R	R	NR	-	-	-
Benzene NR	NR	NR	NR	NR	NR	NR	R	R	R	-	R	R
Benzoic Acid	R	R	R	R	R	R	R	R	R	-	-	-
Bromine, wet gas	R	NR	NR	NR	R	100°	R	R	-	-	-	-
Butylene Glycol, Up to 100%	R	R	R	R	R	R	R	R	R	-	R	R
Butyric Acid, Up to 50%	NR	NR	R	R	R	R	R	R	R	-	-	-
Calcium Hydroxide	R	R	R	NR	R	R	R	R	R	-	-	-
Calcium Hypochlorite	R	R	R	NR	R	R	R	R	R	-	NR	NR
Chlorine, Dry Gas	NR	NR	NR	NR	R	R	R	R	-	-	-	-
Chlorine, Wet Gas	NR	NR	NR	NR	R	R	R	R	-	-	-	-
Chlorine, Liquid	NR	NR	NR	NR	NR	NR	R	R	-	-	-	-
Chlorine, Water	NR	NR	R	R	R	R	R	R	R	-	NR	NR
Chromic Acid, Up to 5%	R	R	NR	NR	R	R	R	R	-	-	R	R
Copper Chloride	R	R	R	R	R	R	R	R	R	-	-	-
Copper Cyanide	R	R	R	NR	R	R	R	R	R	-	-	-
Copper Fluoride	R	R	R	NR	R	R	R	R	R	-	-	-
Copper Nitrate	R	R	R	R	R	R	R	R	R	-	-	-
Copper Sulfate	R	R	R	R	R	R	R	R	R	-	-	-
Dechlorinated Brine Storage	R	R	-	-	R	R	R	R	R	-	-	-
Esters, Fatty Acid	NR	NR	R	R	R	R	R	R	R	-	-	-
Ferric Chloride	R	R	R	R	R	R	R	R	R	-	-	-
Ferrous Chloride	R	R	R	R	R	R	R	R	R	-	-	-
Fluoboric Acid	R	R	R	120°	R	R	R	R	-	-	-	-
Fluosilicic Acid, Up to 10%	NR	NR	NR	NR	R	R	R	R	-	-	NR	NR
Fluosilicic Acid, Up to 32%	NR	NR	NR	NR	R	100°	R	R	-	-	-	-
Formic Acid, Up to 10%	R	R	NR	NR	R	R	R	R	R	-	NR	NR
Formic Acid, Up to 50%	R	R	NR	NR	R	100°	R	R	R	-	-	-
Gasoline, Aviation	R	NR	R	NR	R	R	R	R	R	-	-	-
Green Liquor, Pulp Mill	R	R	-	-	R	R	R	R	-	-	-	-
Hydrochloric Acid Up to 15%	R	R	R	NR	R	R	R	R	R	-	-	-
Hydrochloric Acid Up to 37%	R	R	R	NR	R	R	R	R	R	-	-	-
Hydrofluoric Acid, Up to 10%	R	R	NR	NR	R	150°	R	R	-	-	-	-
Hydrofluoric Acid, Up to 20%	R	NR	NR	NR	R	100°	R	R	-	-	-	-
Hydrogen Chloride, Wet Gas	NR	NR	R	NR	R	R	R	R	NR	-	-	-
Hydrogen Sulfide, Wet Gas	R	R	R	NR	R	R	R	R	R	-	-	-

Legend: "NR" indicates "Not Recommended" for use;
 "R" indicates "Recommended";
 "-" indicates no information available



FIBERGLASS

Chemical Compatibility Table

Chemical	Series E (Rigid PVC) 70°-160°F		Series P (Poly/Glass) 70°-160°F		Series V (Vinyl/Glass) 70°-160°F		Series K (PVDF) 70°-160°F		Series PU (Polyurethane) 70°-160°F		Series N (Nylon) 70°-160°F	
Lactic Acid	R	R	R	NR	R	R	R	R	R	-	-	-
Lead Nitrate	R	R	-	-	R	R	R	R	R	-	-	-
Magnesium Hydroxide	R	R	NR	NR	R	R	R	R	R	-	R	R
Nickel Sulfate, Low pH	R	R	NR	NR	R	R	R	R	R	-	-	-
Nickel Sulfate, High pH	R	R	NR	NR	R	R	R	R	R	-	-	-
Nitric Acid, Up to 5%	R	R	NR	NR	R	150°	R	R	R	-	-	-
Nitric Acid, Up to 35%	R	R	NR	NR	R	150°	R	R	R	-	-	-
Nitric Acid, Vapor	R	R	NR	NR	R	R	R	R	-	-	-	-
Perchloric Acid, Up to 10%	NR	NR	NR	NR	R	150°	R	R	-	-	NR	NR
Pickling Liquids, 3-5% H2SO4	R	R	R	R	R	R	R	R	R	-	-	-
Phosphoric Acid	R	R	NR	NR	R	R	R	R	R	-	NR	NR
Phosphoric Acid, Super or Poly (115%, P20%)	R	R	NR	NR	R	R	R	R	-	-	-	-
Phosphoric Acid Vapor or Condensate	R	R	NR	NR	R	R	R	R	-	-	-	-
Potassium Chloride	R	R	R	R	R	R	R	R	R	-	-	-
Potassium Nitrate	R	R	R	R	R	R	R	R	R	-	-	-
Potassium Persulfate	R	R	NR	NR	R	R	R	R	R	-	-	-
Silver Cyanide, Up to 5%	R	R	NR	NR	R	R	R	R	R	-	-	-
Sodium Hydroxide, Up to 25%	R	R	NR	NR	R	150°	R	R	R	-	-	-
Sodium Hydroxide, up to 50%	R	R	NR	NR	R	180°	R	R	-	-	R	R
Sodium Hypochlorite, Up to 15%	R	R	NR	NR	R	150°	R	R	R	-	NR	NR
Sodium Nitrate	R	R	R	R	R	R	R	R	R	-	-	-
Sodium Sulfate	R	R	R	NR	R	R	R	R	R	-	-	-
Sodium Sulfide	R	R	NR	NR	R	R	R	R	R	-	-	-
Sulfuric Acid, Up to 25%	R	R	R	R	R	R	R	R	R	-	NR	NR
Sulfuric Acid, Up to 50%	R	R	NR	NR	R	R	R	R	R	-	-	-
Sulfuric Acid, Up to 70%	R	R	NR	NR	R	R	R	R	R	-	NR	NR
Sulfuric Acid, Up to 75%	NR	NR	NR	NR	R	120°	R	R	-	-	NR	NR
Sulfuric Acid, Up to 80%	NR	NR	NR	NR	NR	NR	NR	NR	-	-	NR	NR
Sulfuric Acid, Vapor	R	R	R	NR	R	R	R	R	-	-	-	-
Trichlorethylene, Fumes	NR	NR	NR	NR	R	120°	R	R	NR	-	-	-
Trisodium Phosphate	R	R	R	NR	R	R	R	R	R	-	-	-
Urea	R	R	R	NR	R	150°	R	R	R	-	R	R
Vegetable Oils	R	R	R	R	R	R	R	R	R	-	R	R
Vinegar	R	R	R	R	R	R	R	R	R	R	R	R
White Liquor, Pulp Mill	R	R	-	-	R	R	R	R	-	-	-	-

Note: The recommendations contained in this table are made without guarantee of representation as to results. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by T.J. Cope, Inc. as to effects of such use or results to be obtained nor does T.J. Cope, Inc. assume any liability arising out of the use by others of the products referenced in this table. Nor is the information herein to be construed as absolutely complete since additional information may be needed or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations. We suggest that you evaluate these recommendations and suggestions in your own laboratory prior to use. Our responsibility for claims arising from breach of warranty, negligence, or otherwise is limited to the purchase price of the material.

Legend: "NR" indicates "Not Recommended" for use;
 "R" indicates "Recommended";
 "-" indicates no information available



Aickinstrut Specifications

1.0 SCOPE

- 1.1 This specification covers the requirements for the Aickinstrut Nonmetallic Channel Framing System.

2.0 MATERIAL

- 2.1 FRP channel shall be of pultruded glass reinforced polyester or vinyl ester resin having the physical property values listed in this catalog.
- 2.2 PVC channel shall be of extruded polyvinyl chloride having the physical property values listed in this catalog.
- 2.3 Some accessories shall be of injection molded, 40% long glass fiber reinforced polyurethane, polypropylene or nylon.

3.0 COMPOSITION

- 3.1 Glass reinforced channel shall have a synthetic surfacing veil applied on exterior surfaces to improve weatherability and inhibit ultraviolet degradation. An ultraviolet stabilizer shall be incorporated in the resin formulation to further inhibit ultraviolet degradation.
- 3.2 PVC channel shall be manufactured from a U.V. stabilized resin and incorporate dark gray pigment to improve weatherability and inhibit ultraviolet degradation.

4.0 STRUCTURAL DESIGN

- 4.1 Channel shall incorporate Aickinstrut's patented flange profile design which allows full and positive interlocking contact of channel accessories and prohibits premature flange failure from torqued accessories.
- 4.2 Channel profile dimensions shall be:
 - $1\frac{5}{8}'' \times 1\frac{5}{8}'' \times \frac{1}{4}''$,
 - $1\frac{1}{2}'' \times 1\frac{1}{2}'' \times \frac{1}{8}''$ and
 - $1\frac{1}{2}'' \times 1\frac{1}{8}'' \times \frac{1}{8}''$.
- 4.3 All $1\frac{5}{8}'' \times 1\frac{5}{8}''$ channel profiles shall have a minimum pull out resistance of 1,000 pounds when load is applied over a $\frac{3}{8}''$ long section of the inside flanges.
- 4.4 Channel section lengths shall be supplied in 10' or 20' lengths ($\pm\frac{1}{8}''$).

- 4.5 Universal Pipe Clamps shall have full interlocking contact with interior channel flanges to maximize pull-out resistance and be adjustable to accommodate a minimum $\frac{3}{4}''$ variance in piping or conduit O.D. sizes.

5.0 STANDARDS

- 5.1 Glass reinforced and PVC channels covered in this specification shall have a flame spread rating of 25 or less when tested per ASTM E84 and meet the requirements of UL 94V0 thereby qualifying them as Class 1 material in the Uniform Building Code.
- 5.2 Glass reinforced channels covered in this specification shall comply with the requirements of ASTM D 3917 and ASTM D 4385 which govern the dimensional tolerance and visual defects of pultruded shapes.

6.0 GENERAL

- 6.1 Aickinstrut Nonmetallic Channel Framing shall be furnished as a system which includes all the necessary fasteners, channel splice plates, brackets, sealants, hangers, pipe clamps, etc.
- 6.2 Nonmetallic fasteners shall be manufactured from long glass fiber reinforced polyurethane to ensure maximum strength and corrosion resistance.
- 6.3 All components of the Aickinstrut Channel Framing System shall be nonmetallic except where type 316 stainless steel hardware is used as part of the assembly.
- 6.4 Aickinstrut is manufactured by Aickinstrut, a subsidiary of T.J. Cope, Philadelphia, Pennsylvania, 1-800-426-4293.
- 6.5 The manufacturer shall not have had less than 10 years experience in manufacturing strut systems.
- 6.6 All products are manufactured in the United States of America.

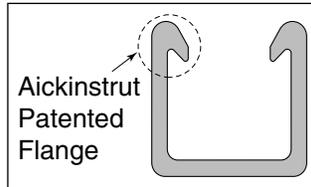


FIBERGLASS

Channel Framing

All Aickinstruct channels, except the SST series, incorporate a patented flange design which provides reliable fastening and interlocking of Aickinstruct components and accessories.

Channels are provided in standard lengths of 10' with longer lengths available upon request. Aickinstruct single channels come packaged in boxes of 100' while the double channels are packaged in boxes containing 40'.



Aickinstruct channel is available in the following three materials:

- Polyester (P material),
- Vinyl Ester (V material) and
- PVC (E material)

Polyester and Vinyl Ester Materials

The polyester and vinyl ester channels are manufactured from the pultrusion process. In this process, the component is made by reinforcing a polymer resin (polyester or vinyl ester) with multiple strands of glass filament, alternating layers of glass mat and U.V. resistant surfacing veils. The glass is drawn through the liquid resin, which coats and saturates the fibers. The combination of resin, glass and veil is then continuously guided and pulled (pultruded) through a heated die that determines the shape of the component.

In the die, the resin is cured to form a permanent, reinforced part which can be cut to a specific length. Since the hardened fiberglass pultrusion is reinforced with an internal arrangement of permanently bonded continuous glass fibers, it possesses great strength.

In addition, pultruded fiberglass components exhibit exceptional corrosion and fire resistance. These attributes make fiberglass the material of choice for many harsh industrial applications.

The polyester and vinyl ester channels are color coded. Polyester channels are colored gray and the vinyl ester channels are colored beige.

PVC Materials

The PVC channels are manufactured from the extrusion process. In this process, the component is made by a PVC resin mixture being continuously fed through a heated die that determines the shape of the component.

In the die, the resin is cured to form a permanent, extruded part that can be cut to a specific length. Unlike pultruded components, extruded components do not incorporate glass-reinforcement; consequently, they do not exhibit the same beam strength as their pultruded counterparts. PVC components, however, exhibit exceptional corrosion and fire resistance. These features make PVC channels an excellent alternative when excessive beam strength is not required. PVC channels are color coded dark gray.

Channel Availability Chart

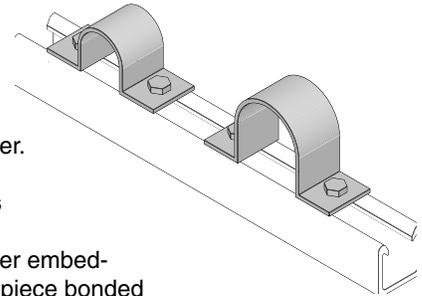
The following chart illustrates the availability of materials in the different channel profiles.

Channel Profile	Polyester(P)	Vinyl Ester(V)	PVC(E)
Series 2000, 2200, 2300	X	X	X
Series 1500, 1700, 1800	X	X	N/A
Series 1000, 1200, 1300	X	X	X
Series 2100	X	X	N/A
Series 1600	X	X	N/A
Series 1100	X	X	N/A

Concrete Embedment Channel Part No. 20E-2300

In certain applications, it is necessary to embed a corrosion resistant channel into a new pouring of concrete. For these applications, Aickinstruct concrete embedment channel is recommended.

Aickinstruct embedment channel is available in three material types; PVC, polyester and vinyl ester. The PVC embedment channel is extruded as one piece while the polyester and vinyl ester embedment channel is a two piece bonded type design. The PVC embedment channel is available in the 1 5/8" and 1 1/2" profiles while polyester and vinyl ester embedment channels are available in all three profiles (1 5/8", 1 1/2" & 1 1/8").



The embedment channel utilizes two continuous protruding flanges in the profile base to retain the channel in the concrete. Mounting the embedment channel flush with the concrete surface is a convenient way to secure piping, conduits or electrical enclosures to a wall or ceiling. The PVC embedment channel is extremely high in strength. When embedded in 3,000 PSI concrete, the concrete will fail before the channel is pulled out.

Aickinstruct SST Channel

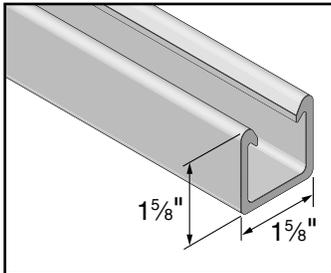
Aickinstruct SST Fiberglass Channel incorporates a standard channel profile that will accommodate metallic pipe straps and clamps. SST channel is available in polyester or vinyl ester resin. All standard styles (solid, slotted, concrete insert and back-to-back) are also available. Please contact the factory for loading information for the SST Channel.

NOTE: Aickinstruct SST Channel is not compatible with the Aickinstruct pipe clamps and channel nuts shown in this catalog. Please contact Aickinstruct for information on a complete line of compatible clamps and channel nuts.

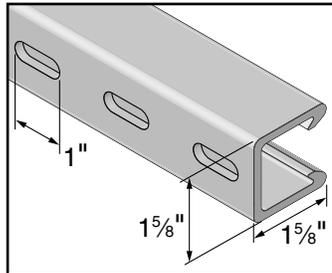


HEAVY DUTY CHANNEL – AICKINSTRUT PROFILE

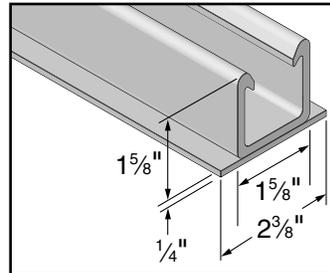
■ 20P-2000, 20V-2000,
20E-2000



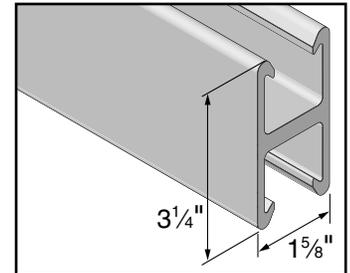
■ 20P-2200, 20V-2200,
20E-2200



■ 20P-2300, 20V-2300,
20E-2200

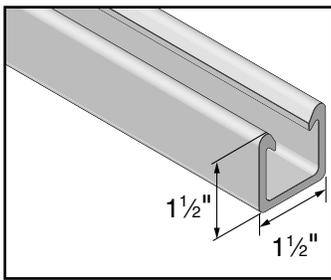


■ 20P-2100, 20V-2100

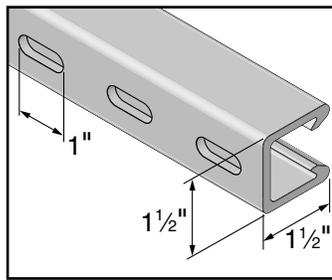


MEDIUM DUTY CHANNEL – AICKINSTRUT PROFILE

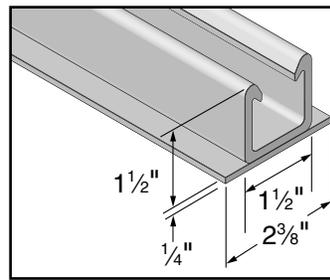
■ 20P-1500, 20V-1500



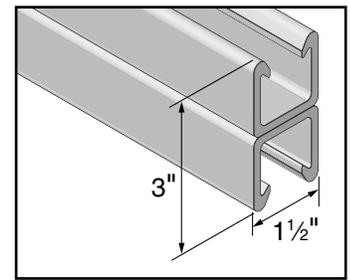
■ 20P-1700, 20V-1700



■ 20P-1800, 20V-1800

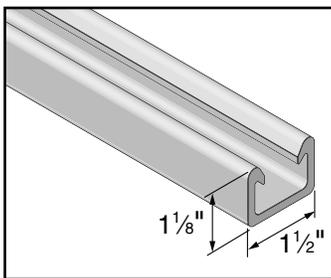


■ 20P-1600, 20V-1600

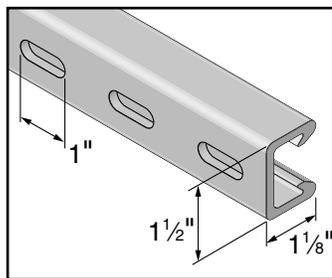


LIGHT DUTY CHANNEL – AICKINSTRUT PROFILE

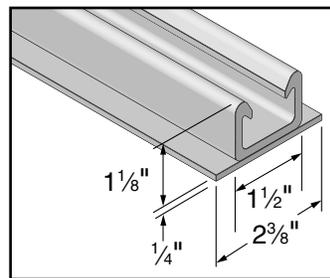
■ 20P-1000, 20V-1000,
20E-1000



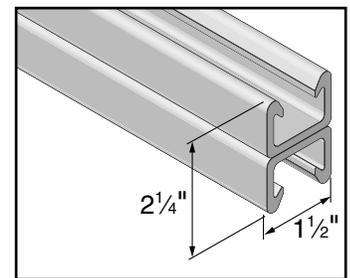
■ 20P-1200, 20V-1200,
20E-1200



■ 20P-1300, 20V-1300,
20E-1300

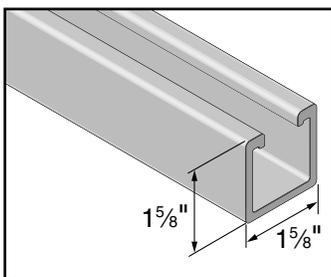


■ 20P-1100, 20V-1100

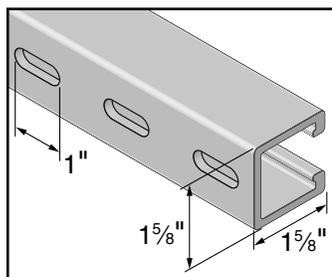


HEAVY DUTY CHANNEL – STANDARD PROFILE

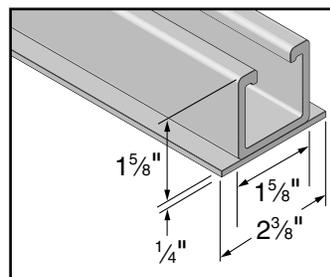
■ 20P-2000-SST,
20V-2000-SST



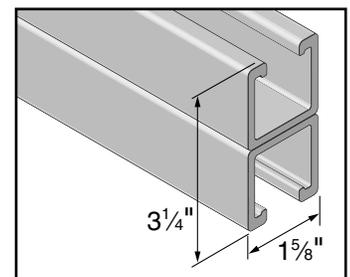
■ 20P-2200-SST,
20V-2200-SST



■ 20P-2300-SST,
20V-2300-SST



■ 20P-2100-SST,
20V-2100-SST

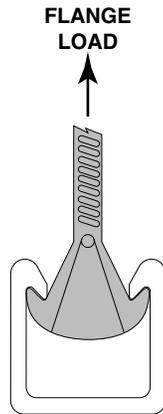




FIBERGLASS

Flange Loading

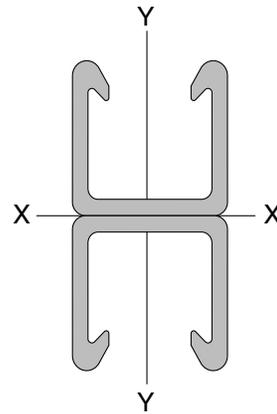
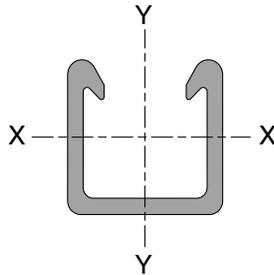
Pull-out strength is the channel's resistance to a clamp or fastener inserted under the flange and put under tension. For additional information concerning specific channels, materials and their pull-out strengths, refer to the channel flange pull-out chart on the right.



Heavy Duty Channel	Pull-Out Strength*
20V-2000	449
20P-2000	360
20E-2000	260
Medium Duty Channel	Pull-Out Strength*
20V-1500	229
20P-1500	219
Light Duty Channel	Pull-Out Strength*
20E-1000	239
20P-1000	213
20V-1000	213

*Values shown represent a 3:1 safety factor

Section Properties



Section Number	Height (in.)	Width (in.)	Weight (lbs./ft.)	Area (in. ²) X - X Axis Y - Y Axis		
					I (in. ⁴)	R (in.)	C ¹ (in.)	C ² (in.)	I (in. ⁴)	R (in.)	C (in.)
2000	1.63	1.63	0.82	1.06	0.31	0.54	0.70	0.93	0.42	0.63	0.82
2100	3.26	1.63	1.64	2.12	1.77	0.91	1.63	1.63	0.85	0.63	0.82
1500	1.50	1.50	0.55	0.71	0.19	0.52	0.62	0.88	0.25	0.59	0.75
1600	3.00	1.50	1.10	1.42	1.02	0.85	1.50	1.50	0.49	0.59	0.75
1000	1.13	1.50	0.47	0.61	0.10	0.40	0.51	0.62	0.22	0.60	0.75
1100	2.25	1.50	0.94	1.22	0.42	0.59	1.13	1.13	0.44	0.60	0.75

Beam Loading - PVC

The data listed in the Beam Loading Chart reflects testing conducted on Polyester (Type P) and vinyl ester (Type V) channels. PVC (Type E) material will differ from the Polyester/Vinyl ester Beam Loading Chart. To obtain the beam loading for PVC channel, reduce the load as follows:

$$\text{PVC Beam Load} = \frac{(\text{Polyester/Vinyl Ester Beam Load})}{4}$$

NOTE: PVC is not recommended for lengths over 24"



■ Polyester/Vinyl Ester Beam Loading Chart

Span	Part Number	Max. Uniform Beam Load (Safety Factor - 3:1)		Uniform Load at Defl. of 1/360 Span		Maximum Column Load (lbs.)
		Load (lbs.)	Deflection (in.)	Load (lbs.)	Deflection (in.)	
12" Span	20P/V-2100	5,559	0.028	5,559	0.033	9,454
	20P/V-1600	4,836	0.043	3,778	0.033	7,007
	20P/V-1100	3,804	0.082	1,556	0.033	5,961
	20P/V-2000	3,561	0.102	1,159	0.033	5,160
	20P/V-1500	1,950	0.093	700	0.033	3,439
	20P/V-1000	1,629	0.151	359	0.033	2,759
18" Span	20P/V-2100	3,706	0.064	2,914	0.050	8,866
	20P/V-1600	3,224	0.096	1,697	0.050	6,501
	20P/V-1100	2,536	0.183	691	0.050	5,509
	20P/V-2000	2,374	0.230	515	0.050	4,704
	20P/V-1500	1,300	0.209	311	0.050	3,136
	20P/V-1000	1,086	0.340	160	0.050	2,351
24" Span	20P/V-2100	2,780	0.113	1,639	0.067	8,181
	20P/V-1600	2,418	0.171	944	0.067	5,909
	20P/V-1100	1,902	0.326	389	0.067	4,979
	20P/V-2000	1,781	0.410	290	0.067	4,168
	20P/V-1500	975	0.371	175	0.067	2,778
	20P/V-1000	815	0.605	90	0.067	1,862
30" Span	20P/V-2100	2,224	0.177	1,049	0.083	7,405
	20P/V-1600	1,934	0.267	604	0.083	5,236
	20P/V-1100	1,522	0.509	249	0.083	4,375
	20P/V-2000	1,424	0.640	185	0.083	3,553
	20P/V-1500	780	0.580	112	0.083	2,369
	20P/V-1000	652	0.945	57	0.083	1,298
36" Span	20P/V-2100	1,853	0.254	730	0.100	6,451
	20P/V-1600	1,612	0.384	420	0.100	4,482
	20P/V-1100	1,268	0.734	173	0.100	3,698
	20P/V-2000	1,187	0.922	129	0.100	2,859
	20P/V-1500	650	0.836	78	0.100	1,906
	20P/V-1000	543	1.360	40	0.100	901
48" Span	20P/V-2100	1,390	0.452	410	0.133	4,534
	20P/V-1600	1,209	0.683	236	0.133	2,809
	20P/V-1100	951	1.304	97	0.133	2,254
	20P/V-2000	890	1.638	72	0.133	1,636
	20P/V-1500	488	1.486	44	0.133	1,091
	20P/V-1000	407	2.418	22	0.133	507
60" Span	20P/V-2100	1,112	0.707	262	0.167	2,902
	20P/V-1600	967	1.067	151	0.167	1,798
	20P/V-1100	761	2.038	62	0.167	1,442
	20P/V-2000	712	2.560	46	0.167	1,047
	20P/V-1500	390	2.321	28	0.167	698
	20P/V-1000	326	3.779	14	0.167	324
72" Span	20P/V-2100	927	1.018	182	0.200	2,015
	20P/V-1600	806	1.536	105	0.200	1,248
	20P/V-1100	634	2.935	43	0.200	1,001
	20P/V-2000	594	3.686	32	0.200	727
	20P/V-1500	325	3.343	19	0.200	485
	20P/V-1000	272	5.441	10	0.200	225



FIBERGLASS

Channel Fittings

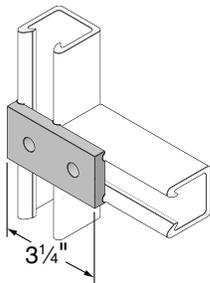
Aickinstrut Channel Fittings are required to fabricate an Aickinstrut structure and are easily attached to Aickinstrut Channels with channel nuts and polyurethane fasteners. The fittings are offered in two types; fabricated (cut from flat stock) or molded. Fabricated fittings are made from either polyester or vinyl ester material. All molded fittings with the exception of the post bases are molded in polyurethane. Post bases are also offered in polypropylene.

The 2500 Series Fittings are manufactured from $\frac{3}{8}$ " flat material. The 2800 Series Fittings are manufactured from $\frac{3}{8}$ " flat material and feature grooves which stabilize the fittings when mounted to the open side of the channel. All channel fittings are provided with $\frac{13}{32}$ " holes which accommodate $\frac{3}{8}$ " hardware. Larger diameter holes can be provided upon special request.

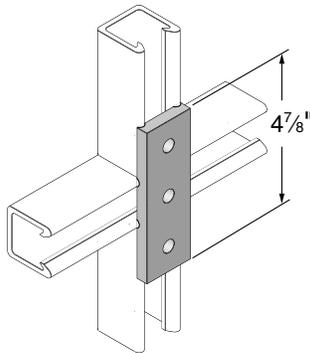
Legend
R = Right Hand
L = Left Hand
P Series Fittings are Grey
V Series Fittings are Beige
2500 Series - Flat
2800 Series - Grooved

NOTE
Illustrations depict grooved channel fittings.

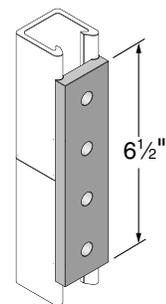
■ 20P-2500, 20V-2500 (Flat)
20P-2800, 20V-2800 (Grooved)



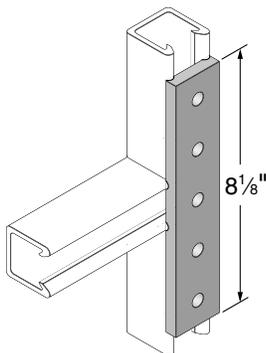
■ 20P-2502, 20V-2502 (Flat)
20P-2802, 20V-2802 (Grooved)



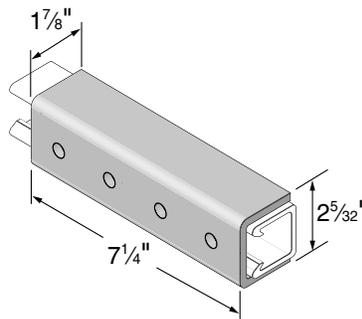
■ 20P-2504, 20V-2504 (Flat)
20P-2804, 20V-2804 (Grooved)



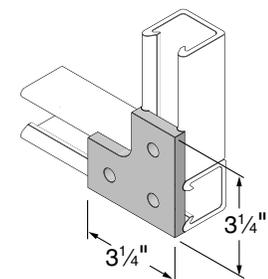
■ 20P-2506, 20V-2506 (Flat)
20P-2806, 20V-2806 (Grooved)



■ 50PU-2616

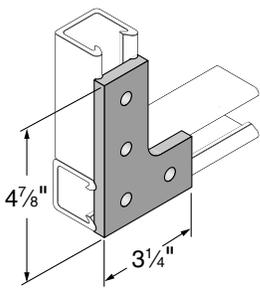


■ 20P-2508, 20V-2508 (Flat)
20P-2808, 20V-2808 (Grooved)

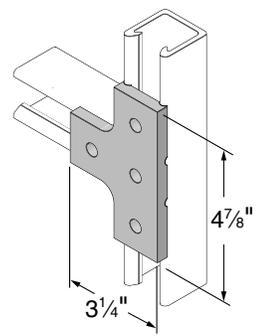




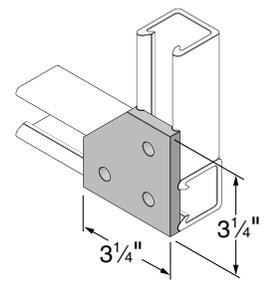
■ **20P-2510, 20V-2510 (Flat)**
20P-2810R, 20V-2810R (Grooved)
20P-2810L, 20V-2810L (Grooved)



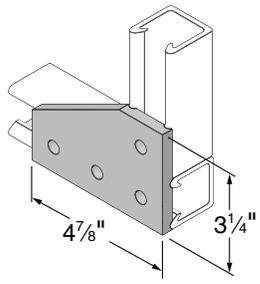
■ **20P-2512, 20V-2512 (Flat)**
20P-2812, 20V-2812 (Grooved)



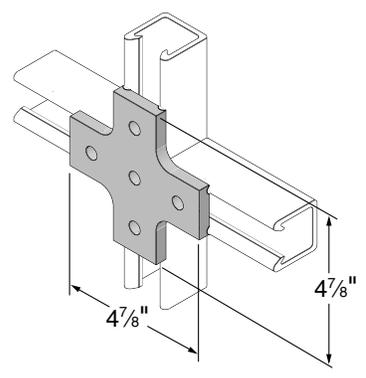
■ **20P-2514, 20V-2514 (Flat)**
20P-2814, 20V-2814 (Grooved)



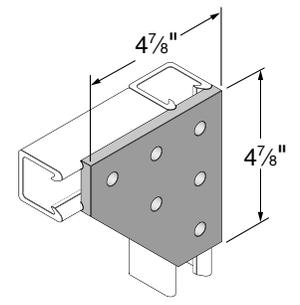
■ **20P-2516, 20V-2516 (Flat)**
20P-2816R, 20V-2816R (Grooved)
20P-2816L, 20V-2816L (Grooved)



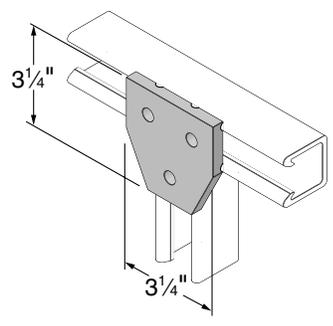
■ **20P-2518, 20V-2518 (Flat)**
20P-2818, 20V-2818 (Grooved)



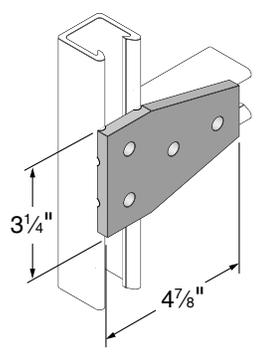
■ **20P-2520, 20V-2520 (Flat)**
20P-2820, 20V-2820 (Grooved)



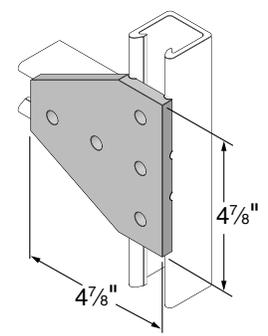
■ **20P-2522, 20V-2522 (Flat)**
20P-2822, 20V-2822 (Grooved)



■ **20P-2524, 20V-2524 (Flat)**
20P-2824, 20V-2824 (Grooved)



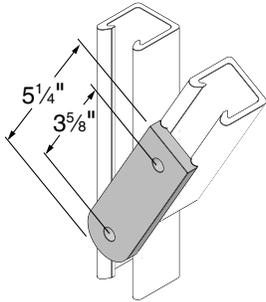
■ **20P-2526, 20V-2526 (Flat)**
20P-2826, 20V-2826 (Grooved)



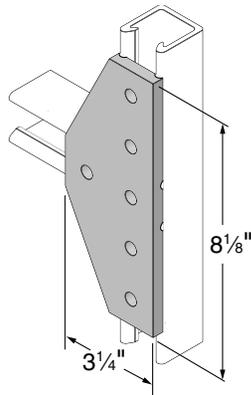


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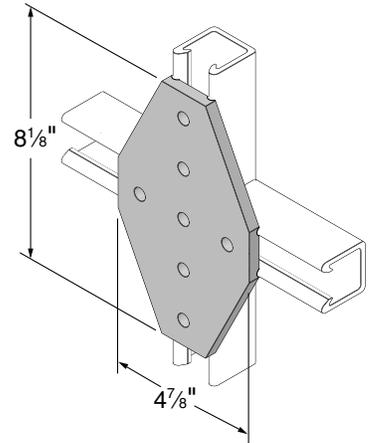
20P-2528, 20V-2528 (Flat)
20P-2828, 20V-2828 (Grooved)



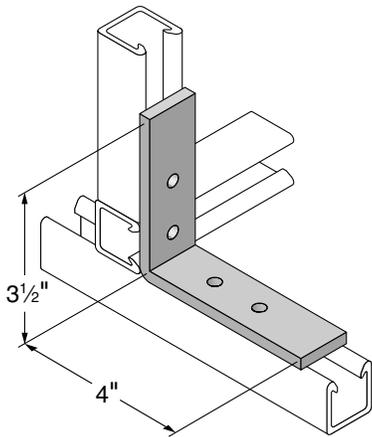
20P-2530, 20V-2530 (Flat)
20P-2830, 20V-2830 (Grooved)



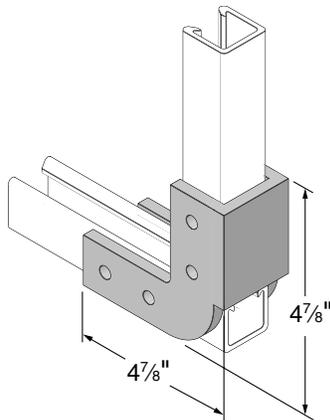
20P-2534, 20V-2534 (Flat)
20P-2834, 20V-2834 (Grooved)



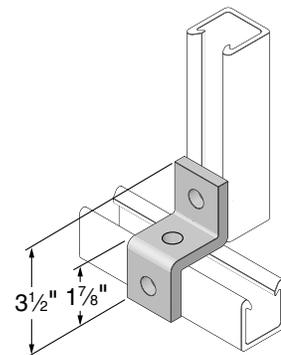
20P-2541 (Flat)
20V-2541 (Grooved)



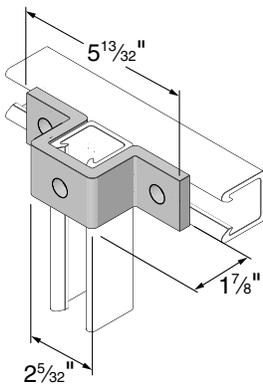
20P-2540, 20V-2540 (Flat)
20P-2840, 20V-2840 (Grooved)



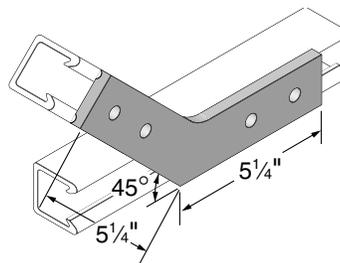
50PU-2611 (Flat)

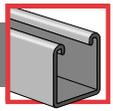


50PU-2613 (Flat)

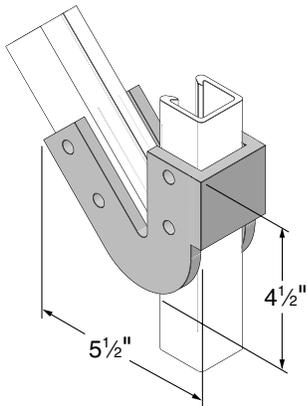


50PU-1508 (1 1/2") 50PU-2008 (1 5/8")



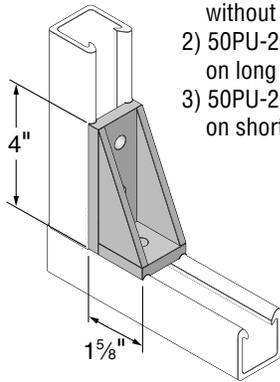


50PU-2045 (1⁵/₈"

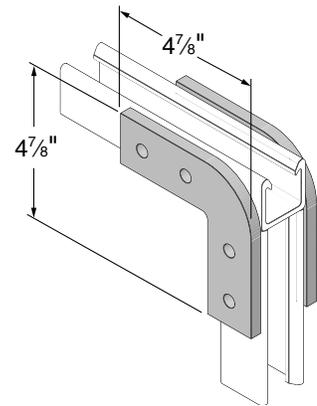


**50PU-2636¹, 50PU-2636A²
50PU-2636B³**

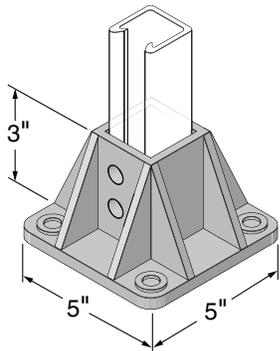
- 1) 50PU-2636 – Flat, without splines
- 2) 50PU-2636A – Splines on long side only
- 3) 50PU-2636B – Splines on short side only



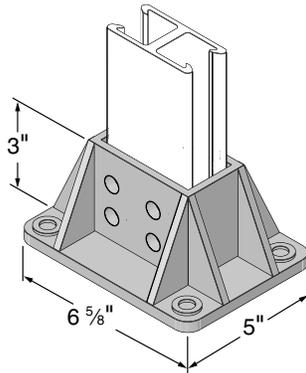
50PU-2090 (1⁵/₈"



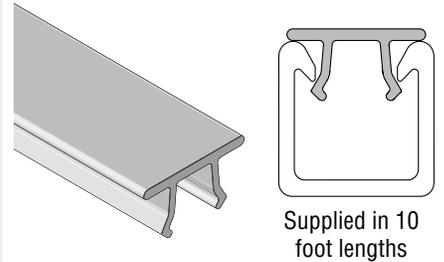
20PU-5853(1⁵/₈", 20PU-5854(1¹/₂"**),
20PU-5855(1")**, 20PP-5853(1⁵/₈"**),
20PP-5854(1¹/₂"**, 20PP-5855(1"**)**



20PU-5903(1⁵/₈", 20PU-5904(1¹/₂"**),
20PU-5905 (1")**, 20PP-5903 (1⁵/₈"**),
20PP-5904 (1¹/₂"**, 20PP-5905 (1"**)**

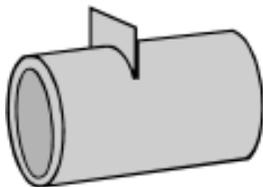


Channel Capping Strip 20E-5000

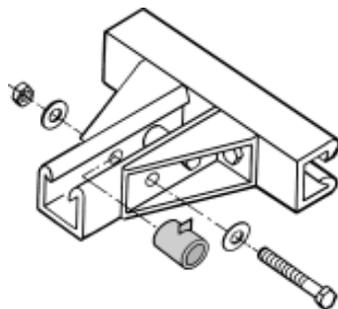


Channel Capping Strip is made from PVC and installs simply by pressing it onto the channel opening. It is designed to be used when a cover is desired for the channel opening (such as concrete embedment channel).

Channel Spacers 50PU-500SP

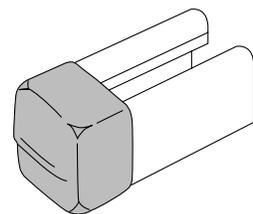


Channel spacers are designed to prevent wall compression under heavy loading conditions. Such loading occurs during the torquing of hardware for channel fittings. The spacers are molded from polyurethane and will accommodate 3/8" and 1/2" bolts. The spacers are designed to be used only with 1 5/8" and 1 1/2" channels.



Channel End Cap AIC-EC

The Aickin-End Cap is made from red PVC and designed for 1 5/8" channel. End caps are desired when the ends of the channel need to be enclosed. The Aickin-End Cap easily installs by pressing it onto the end of the channel opening.





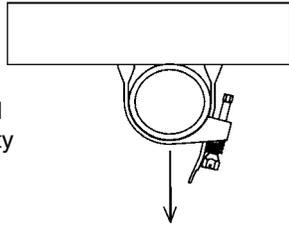
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Pipe Clamps (Design Load Information)

There are two types of piping system loadings, overhead (Type 1) and vertical (Type 2) as described below. All Aickinstruct pipe straps and clamps show the recommended loading for both types of loading.

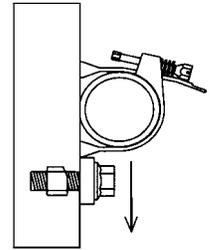
Type 1 Design Load

The design load shown represents pipes supported below the strut. The design loads shown are based on a minimum ultimate failure safety factor of 3:1



Type 2 Design Load

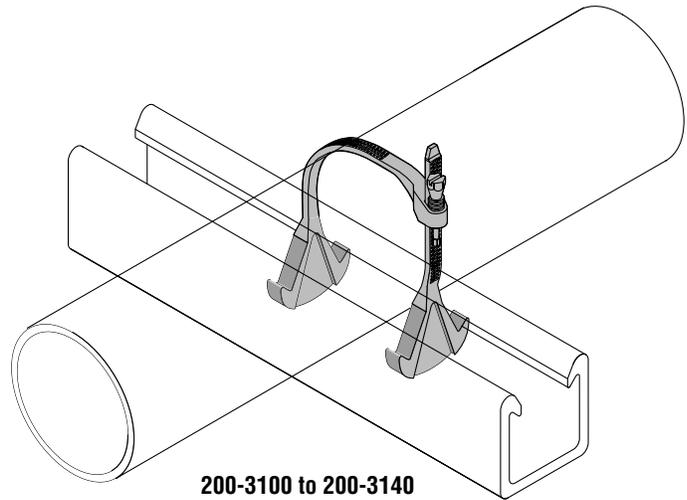
The design loading shown can be achieved with the addition of a vertical stop lock assembly (Part #200-4219) installed directly beneath the pipe clamp. The adjacent illustration shows how the vertical stop lock assembly provides additional support for pipe and how it can be used to achieve full Type 2 design loads.



Design loads are based on a minimum clamp slip safety factor of 3:1. It is recommended that stop lock assemblies be used for all vertical pipe support applications.

Adjustable Pipe Clamps

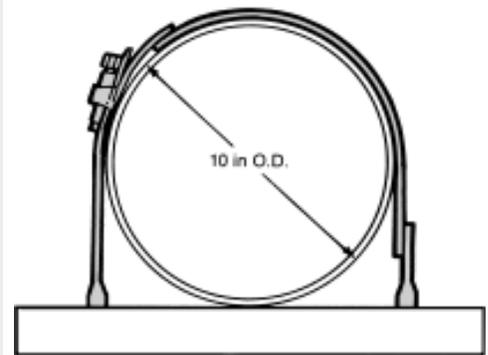
Aickinstruct Adjustable Pipe Clamps are manufactured from glass-reinforced polyurethane and are adjustable to accommodate a wide range of outside diameters. They can be utilized with a variety of piping systems including: PVC, fiberglass, copper, rigid steel conduit and PVC coated rigid steel conduit. Aickinclamps sized 6½" – 20" are to be used only in non-load bearing applications. These are applications where the weight of the pipe is being supported by Aickinstruct structural members (see figure on right). Aickinclamps can safely be used in temperatures up to 160°F. For operating temperatures of 160-230°F, it is recommended to use PVDF clamps. PVDF clamps are available as a special order. Contact the factory for pricing and availability. Care should be taken not to exceed 3 ft./lbs. of torque on the adjustable pipe straps.



200-3100 to 200-3140

Part Number	O.D. Pipe Size (in.)	Design Load (lbs.)*		Torque (ft./lbs.)
		Type 1	Type 2	
200-3100	½ – 1½	135	65	10 in./lbs.
200-3110	1½ – 2¼	135	65	3
200-3120	2¼ – 3¼	145	70	3
200-3130	3 – 4	215	70	3
200-3140	4 – 6½	215	70	3
200-3150	6½ – 8	Non-Load Bearing		3
200-3160	8 – 10	Non-Load Bearing		3
200-3170	10 – 12	Non-Load Bearing		3
200-3180	12 – 14	Non-Load Bearing		3
200-3190	14 – 16	Non-Load Bearing		3
200-3200	16 – 18	Non-Load Bearing		3
200-3210	18 – 20	Non-Load Bearing		3

*Design loads shown represent a 3:1 safety factor.



200-3150 to 200-3210



Rigid Pipe Clamps

Aickinstruct Rigid Pipe Clamps resemble the more traditional style of pipe clamps. These clamps are made from glass-reinforced polyurethane and are sized based on the pipe inside diameter or nominal size.

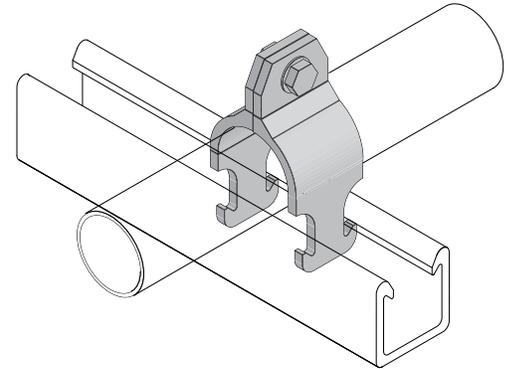
Polyurethane clamps are recommended for applications up to

160°F. For high temperature applications (up to 230°F), PVDF clamps are available as a special order. Contact the factory for pricing and availability.

Care should be taken not to exceed the recommended torque values of the rigid pipe clamps.

Part Number	Nominal Size (in.)	PVC Design		FRP Bolt Size (in.)	FRP Bolt Torque (ft./lbs.)
		Sch. 80 and Rigid Metal	Loads (lbs.)* Type 1 Type 2		
PCR-050	1/2	0.840	225 90	3/8 x 1 1/4	3
PCR-075	3/4	1.050	225 90	3/8 x 1 1/4	3
PCR-100	1	1.315	225 90	3/8 x 1 1/4	3
PCR-125	1 1/4	1.660	225 90	3/8 x 1 1/4	3
PCR-150	1 1/2	1.900	225 90	3/8 x 1 1/4	3
PCR-200	2	2.375	225 90	3/8 x 1 1/4	3
PCR-250	2 1/2	2.875	225 90	3/8 x 1 1/4	3
PCR-300	3	3.500	225 90	3/8 x 1 1/4	3
PCR-400	4	4.500	300 125	3/8 x 1 1/4	3
PCR-600	6	6.625	300 125	3/8 x 1 1/4	3
PCR-800	8	8.625	300 125	3/8 x 1 1/4	3

*Design loads shown represent a 3:1 safety factor.



Two Hole Pipe Straps

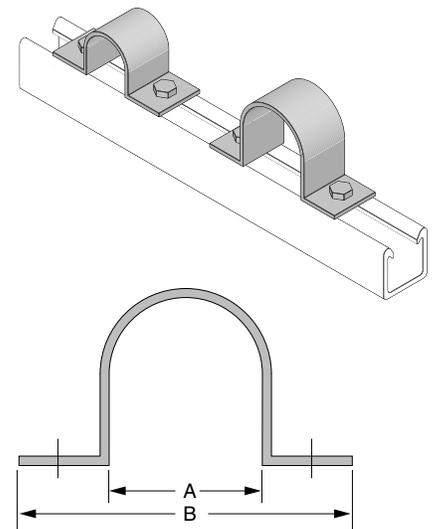
Aickinstruct Two Hole Pipe Straps are designed for use in securing pipe, conduit and ducts to Aickinstruct Channel. Two hole fiberglass straps can also be used independently from the channel for surface mounting. All sizes of the straps are suitable for load bearing applications.

The two hole pipe straps are manufactured from a fire-retar-

dant, glass reinforced polyester resin. For extreme chemical environments, the straps can be manufactured from vinyl ester resin. Larger diameter straps for special applications are also available. Contact the factory for pricing and availability of vinyl ester and large diameter straps. Two hole pipe straps should not be torqued above recommended values.

Part No.	Dimension		Bolt Size (in.)	Material Size (in.)	Design Load (lbs)*		Torque (ft./lbs.)
	A (in.)	B (in.)			Type 1	Type 2	
PS050	0.840	4.840	1/2	1/4 x 1 5/8	135	50	4
PS075	1.050	5.050	1/2	1/4 x 1 5/8	135	50	4
PS100	1.315	5.315	1/2	1/4 x 1 5/8	135	50	4
PS200	2.375	6.375	1/2	1/4 x 1 5/8	135	50	4
PS250	2.875	6.875	1/2	1/4 x 1 5/8	135	50	4
PS300	3.500	7.500	1/2	1/4 x 1 5/8	135	50	4
PS350	4.000	8.000	1/2	1/4 x 1 5/8	135	50	4
PS400	4.500	8.500	1/2	1/4 x 1 5/8	175	60	4
PS500	5.563	9.563	1/2	1/4 x 1 5/8	175	60	4
PS600	6.625	10.625	1/2	1/4 x 1 5/8	175	60	4
PS800	8.625	12.625	1/2	1/4 x 1 5/8	225	125	4
PS1000	10.750	15.750	5/8	1/4 x 1 5/8	225	125	10
PS1200	12.750	16.250	5/8	1/4 x 1 5/8	225	125	10
PS1400	14.000	18.000	5/8	3/8 x 1 5/8	250	150	10
PS1600	16.000	20.000	5/8	3/8 x 1 5/8	250	150	10
PS1800	18.000	23.000	5/8	3/8 x 1 5/8	250	150	10

*Design loads shown represent a 3:1 safety factor.



Notes: Bolts and channel nuts are sold separately.

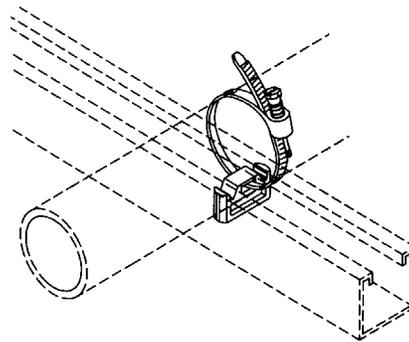
When bolting onto 1 5/8" or 1 1/2" channel a 1 1/4" long bolt is required.



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Unisert Channel Insert

Unisert is a polyurethane nonmetallic insert which can be used with standard cable ties for securing tubing, conduit and cables to standard metal channels. The Unisert works with all 1 5/8" channel that are 13/16" deep or more. One size fits 12, 14 and 16 metal gauge channels. The 200-4101 is used only with metallic channel. Insert 200-3101 is to be used with Aickinstrut profile channel.

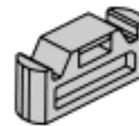


Unisert Channel Insert - with Cable Tie

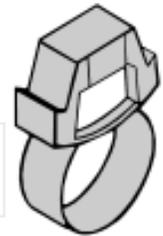


Note: For use with metallic channel.

Unisert Channel Insert - Part No. 200-4101



Unisert Channel Insert - Part No. 200-3101

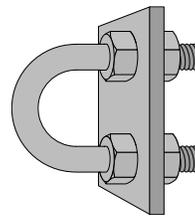


Note: For use with Aickinstrut 2000-1500 series profile channel only.

Nonmetallic U-Bolts

Aickinstrut Nonmetallic U-Bolts provide a corrosion resistant alternative to traditional metallic U-Bolts. made from glass-reinforced polyurethane, these bolts will outlast stainless steel in most corrosive applications. Nonmetallic U-Bolts have oversized diameters which allow them to hold steel conduit and plastic pipe.

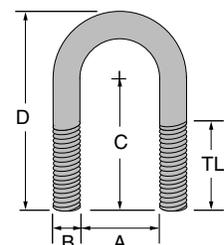
Each U-Bolt comes with two polyurethane hex nuts. Additional nuts and washers can be purchased separately.



The U-Bolts can also be installed to allow for thermal expansion and contraction of plastic pipe as shown here.

Part Number	Size (in.)	"A" Dim.	"B" Dim.	"C" Dim.	"D" Dim.	"TL" Dim.	Load (lbs.)*	Torque (in./lbs.)*
UB-050	1/2	0.937	0.375	1.568	2.412	1.25	135	40
UB-075	3/4	1.125	0.375	1.662	2.600	1.25	135	40
UB-100	1	1.375	0.375	1.787	2.850	1.25	135	40
UB-125	1 1/4	1.687	0.375	1.943	3.162	1.25	135	40
UB-150	1 1/2	2.000	0.375	2.100	3.475	1.25	135	40
UB-200	2	2.437	0.500	2.468	4.187	1.50	135	80
UB-250	2 1/2	2.937	0.500	2.718	4.687	1.50	135	80
UB-300	3	3.562	0.500	3.031	5.312	1.50	135	80
UB-350	3 1/2	4.062	0.500	3.281	5.812	1.50	135	80
UB-400	4	4.562	0.500	3.531	6.312	1.50	135	80
UB-600	6	6.750	0.625	5.750	9.875	3.25	135	120

*Torque and load values shown represent a 3:1 safety factor.



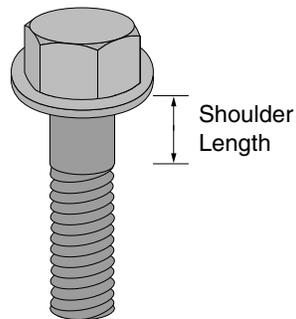


Fiberfast Bolts

Fiberfast bolts are provided in two styles and four diameters ($\frac{1}{4}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ " and $\frac{5}{8}$ "") and range in length from $1\frac{1}{4}$ " to $3\frac{1}{2}$ ". The flanged style incorporates a molded washer collar which eliminates the need for a washer. The flange style is provided for $\frac{1}{4}$ " and $\frac{1}{2}$ " diameter bolts. Flanged bolts are available in $\frac{3}{8}$ " diameter as a special order item. The hex head style is provided for all $\frac{3}{8}$ " and $\frac{5}{8}$ " diameter bolts. All Fiberfast bolts are

not fully threaded, therefore, shoulder length (nonthreaded portion) dimensions have been provided. Fiberfast bolts are ideal for mechanical connections that require a high degree of corrosion resistance. The $\frac{3}{8}$ " diameter fasteners are recommended for all channel fitting mechanical connections. All Fiberfast bolts are manufactured from glass-reinforced polyurethane and are packaged in bags containing 25 pieces.

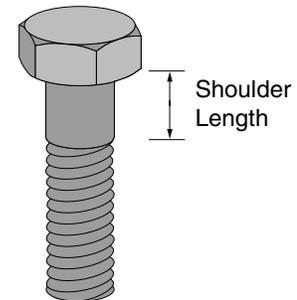
Hex Flange Bolts



Part Number	Size (in.)	Thread Shear (lbs.)*	Shank Shear (lbs.)*	Shoulder Length (in.)	Torque (ft./lbs.)
250PU-075	$\frac{1}{4} \times \frac{3}{4}$	110	210	Full Thread	10 In./lbs.
250PU-100	$\frac{1}{4} \times 1$	110	210	Full Thread	10 In./lbs.
250PU-150	$\frac{1}{4} \times 1\frac{1}{2}$	110	210	$\frac{1}{2}$	10 In./lbs.
500PU-125	$\frac{1}{2} \times 1\frac{1}{4}$	450	870	Full Thread	8
500PU-150	$\frac{1}{2} \times 1\frac{1}{2}$	450	870	Full Thread	8
500PU-200	$\frac{1}{2} \times 2$	450	870	$\frac{3}{4}$	8
500PU-250	$\frac{1}{2} \times 2\frac{1}{2}$	450	870	$\frac{3}{4}$	8
500PU-300	$\frac{1}{2} \times 3$	450	870	1	8
500PU-350	$\frac{1}{2} \times 3\frac{1}{2}$	450	870	$2\frac{3}{16}$	8

*Thread shear values shown represent a 3:1 safety factor.

Hex Bolts

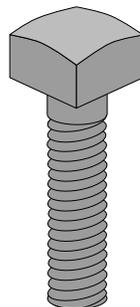


Part Number	Size (in.)	Thread Shear (lbs.)*	Shank Shear (lbs.)*	Shoulder Length (in.)	Torque (ft./lbs.)
375PU-125	$\frac{3}{8} \times 1\frac{1}{4}$	250	470	Full Thread	3
375PU-150	$\frac{3}{8} \times 1\frac{1}{2}$	250	470	$\frac{1}{4}$	3
375PU-200	$\frac{3}{8} \times 2$	250	470	$\frac{1}{2}$	3
375PU-250	$\frac{3}{8} \times 2\frac{1}{2}$	250	470	$\frac{3}{4}$	3
375PU-300	$\frac{3}{8} \times 3$	250	470	1	3
625PU-125	$\frac{5}{8} \times 1\frac{1}{4}$	700	1,360	$\frac{1}{4}$	12
625PU-150	$\frac{5}{8} \times 1\frac{1}{2}$	700	1,360	$\frac{1}{4}$	12
625PU-200	$\frac{5}{8} \times 2$	700	1,360	$\frac{1}{4}$	12
625PU-250	$\frac{5}{8} \times 2\frac{1}{2}$	700	1,360	$\frac{1}{4}$	12
625PU-300	$\frac{5}{8} \times 3$	700	1,360	$\frac{1}{4}$	12
625PU-350	$\frac{5}{8} \times 3\frac{1}{2}$	700	1,360	$1\frac{1}{4}$	12

*Thread shear values shown represent a 3:1 safety factor.

Vinyl Ester Square Head Bolts

Vinyl ester square bolts are used for concrete mounting and general purpose fastening applications. The square head bolts are constructed from vinyl ester all-thread rod and vinyl ester square nuts. The units are bonded together with a durable two part urethane adhesive. The square head bolts are offered in 3/8" diameter but can be supplied in other diameters as a special order. Contact the factory for pricing and availability of special diameter square head bolts.



Part Number	Size (in.)	Thread Shear (lbs.)*	Torque (ft./lbs.)*
375V-100	$\frac{3}{8} \times 1$	250	10
375V-125	$\frac{3}{8} \times 1\frac{1}{4}$	250	10
375V-150	$\frac{3}{8} \times 1\frac{1}{2}$	250	10
375V-175	$\frac{3}{8} \times 1\frac{3}{4}$	250	10
375V-200	$\frac{3}{8} \times 2$	250	10
375V-250	$\frac{3}{8} \times 2\frac{1}{2}$	250	10
375V-300	$\frac{3}{8} \times 3$	250	10
375V-350	$\frac{3}{8} \times 3\frac{1}{2}$	250	10
375V-400	$\frac{3}{8} \times 4$	250	10

*Thread shear values shown represent a 3:1 safety factor.



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Fiberfast Hex Nuts

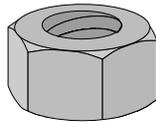
The Aickinstruct hex nut is similar in design to the conventional hex nut and is preferred for channel fitting connections.

All nuts are manufactured from glass-reinforced polyurethane and are packaged in bags containing 25 pieces. Available in PVDF and Polypropylene and metric sizes as a special order. Contact the factory for pricing and availability.

The Aickinstruct hex flange nut is preferred for applications that require additional thread engagement (such as with all-thread rod) or maximum thread shear strength.

All nuts are manufactured from glass-reinforced polyurethane and are packaged in bags containing 25 pieces. Available in PVDF and Polypropylene and metric sizes as a special order. Contact the factory for pricing and availability.

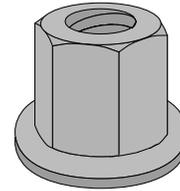
Hex Nuts



Part Number	Size (in.)	Thread Shear (lbs.)*	Height (in.)	Torque (ft./lbs.)
250PU-000	1/4-20	150	0.218	10 in./lbs.
375PU-000	3/8-16	460	0.328	3
500PU-000	1/2-13	800	0.437	8
625PU-000	5/8-11	1,000	0.546	12
750PU-000	3-10	1,000	0.640	15
1000PU-000	1-8	1,100	0.859	17

*Thread shear values shown represent a 3:1 safety factor.

Hex Flange Nuts

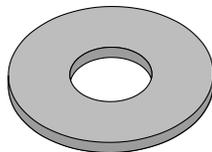


Thread Part Number	Size (in.)	Shear (lbs.)*	Height (in.)	Torque (ft./lbs.)
375PU-FN-000	3/8-16	500	0.750	3
500PU-FN-000	1/2-13	1,200	0.855	8
625PU-FN-000	5/8-11	2,200	1.220	12
750PU-FN-000	3/4-10	2,900	1.590	15
1000PU-FN-000	1-8	2900	1.75	17

*Thread shear values shown represent a 3:1 safety factor.

Flat Washers

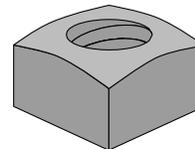
Flat Washers are made from PVC and are available for 1/4" diameter through 1". PVC washers are recommended for connections that utilize hex nuts and bolts. PVC washers are packaged in bags containing 25 pieces.



Part Number	Size (in.)	Outside Diameter (in.)
250E-999	1/4	0.49
375E-999	3/8	1.00
500E-999	1/2	1.25
625E-999	5/8	1.50
750E-999	3/4	1.50
1000E-999	1	2.25

Vinyl Ester Square Nuts

Square nuts are manufactured from pultruded vinyl ester square stock. They are recommended for applications that require high thread shear values. Square nuts are packaged in bags containing 25 pieces.



Part Number	Size (in.)	Thread Shear (lbs.)*	Height (in.)	Torque (ft./lbs.)
375V-000	3/8-16	1,300	0.437	10
500V-000	1/2-13	1,700	0.562	10
625V-000	5/8-11	1,700	0.687	10
750V-000	3/4-10	1,700	0.812	10
1000V-000	1-8	1,700	0.937	10

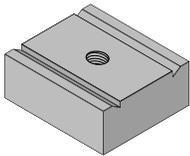
*Thread shear values shown represent a 3:1 safety factor.



Heavy duty channel nuts are designed to be used where high thread shear values or spring nuts are required. Heavy duty channel nuts can not be used with Series 1000 Channel (light duty).

All channel nuts are manufactured from glass-reinforced polyurethane and are packaged in bags containing 50 pieces. Available in PVDF as a special order. Contact the factory for pricing and availability.

Heavy Duty Channel Nuts

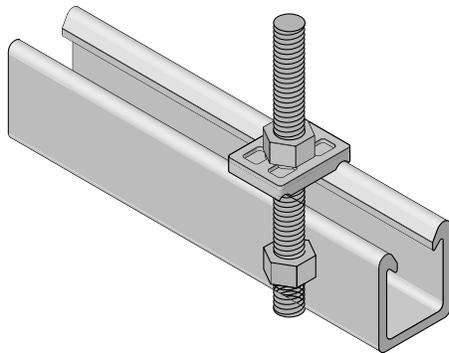


Part Number	Size (in.)	Thread Shear (lbs.)*	Torque (ft./lbs.)
375PU-CNHD	3/8-16	1,400	8
500PU-CNHD	1/2-13	1,400	8
625PU-CNHD	5/8-11	1,400	10
750PU-CNHD	3/4-10	1,400	10
10PU-CNMHD	10 mm	1,400	8
12PU-CNMHD	12 mm	1,400	8
16PU-CNMHD	16 mm	1,400	10
20PU-CNMHD	20 mm	1,400	10

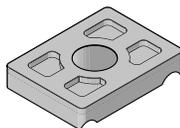
*Thread shear values shown represent a 3:1 safety factor.

Saddle Clips

Aickinstruct Saddle Clips make fastening through Aickinstruct channel much easier. The clips mate with the exterior of the channel flanges and are secured with threaded rods and nuts. The saddle clips are manufactured from glass reinforced polyurethane and are supplied in bags of 50 pieces.



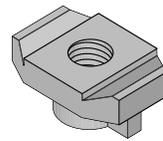
Part Number	Size (In.)
200-4226	3/8
200-4217	1/2
200-4341	5/8
200-4342	3/4



Standard Duty channel nuts are designed for light duty applications that do not require high thread shear values. Standard duty channel nuts can be used with all sizes of Aickinstruct Channel.

All channel nuts are manufactured from glass-reinforced polyurethane and are packaged in bags containing 50 pieces. Available in PVDF as a special order. Contact the factory for pricing and availability.

Standard Duty Channel Nuts



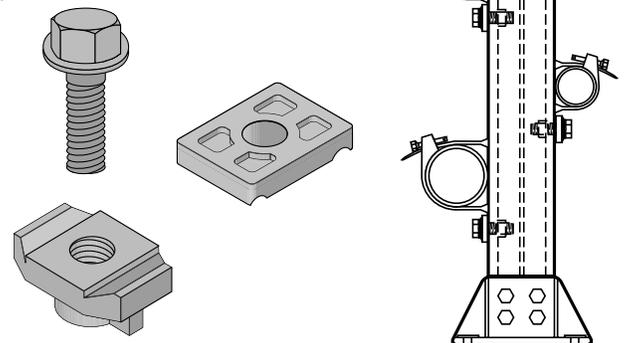
Part Number	Size (in.)	Thread Shear (lbs.)*	Torque (ft./lbs.)
250PU-CN	1/4-20	460	2
312PU-CN	5/16-18	460	2
375PU-CN	3/8-16	460	3
500PU-CN	1/2-13	460	3
10PU-CN	10 mm	460	3
12PU-CN	12 mm	460	3
10PU-CNS	#10 Screw	460	N/A

*Thread shear values shown represent a 3:1 safety factor.

Stop-Lock Assemblies

Aickinstruct Stop-Lock Assemblies reduce the chance of pipe slippage when running supports vertically. Stop-Locks are recommended for applications that are subject to vibration, have regular contact with fluids or are vertically mounted (Type 2). The Stop-Locks fit all three sizes of channel. Stop-Locks are offered with a 3/8", 1/2" and 5/8" bolt size. The 5/8" Stop-Lock Assembly is supplied with a heavy duty channel nut (the 5/8" Stop-Lock Assembly will not work with the 1000 Series Channel).

The Stop-Lock Assemblies' components are manufactured from glass-reinforced polyurethane.



Part Number	Size (in.)	Force Resistance (lbs.)*	Torque (ft./lbs.)
200-4227	3/8	200	7
200-4219	1/2	220	12
200-4343	5/8	250	15

*Force resistance values shown represents a 3:1 safety factor.



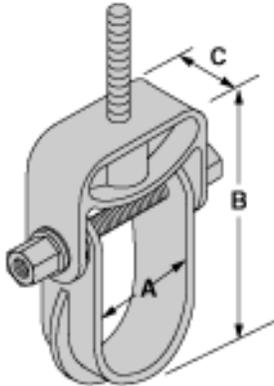
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Clevis Hangers

Clevis hangers are available in two styles; molded and hand lay-up. The molded clevis hangers are manufactured from glass-reinforced polyurethane and are available for sizes 1/2"

through 6". The hand lay-up clevis hangers are manufactured from glass-reinforced polyester resin and are available for sizes 1" through 21". Vinyl ester resin clevis hangers are available as a special order. Contact the factory for pricing and availability.

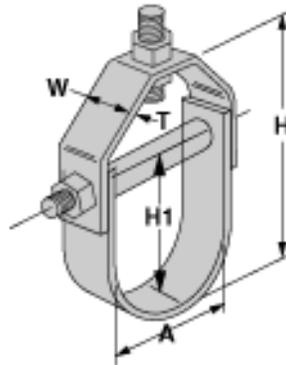
Molded Clevis Hangers



Part Number	Nominal Diameter (in.)	Max. Pipe O.D. (in.)	"A" Dim.	"B" Dim.	"C" Dim.	Hanger Rod (in.)	Load (lbs.)*
CVHPU-100	1/2	1	1.500	4.25	1.25	1/2	670
CVHPU-150	1 1/4	1 1/2	2.000	5.14	1.25	1/2	670
CVHPU-200	1 1/2	2	2.500	6.52	1.25	1/2	730
CVHPU-400	2 1/2	4	5.125	10.00	1.50	1/2	1,150
CVHPU-600	4 1/2	6	6.750	12.33	1.50	1/2	1,170

*Design load values shown represent a 3:1 safety factor.

Hand Lay-Up Clevis Hangers



Part Number	Size Range (In.)		Dimensions (in.)			Hanger Rod (in.)	Trans Rod (in.)	Spreader Rod O.D. (in.)	Loads (lbs.)*
	A	T	H	H1	W				
100-1500	1 – 1 1/2	1/8	2 3/4	1 7/8	1 1/2	1/2	3/8	1/2	60
100-1501	1 1/2 – 2	1/8	3 1/2	2 3/8	1 1/2	1/2	3/8	1/2	60
100-1502	2 – 2 5/8	1/8	4 3/4	3	2	1/2	3/8	1/2	90
100-1503	2 1/2 – 3 1/4	1/8	5 1/2	3 5/8	2	1/2	3/8	1/2	120
100-1504	3 – 3 7/8	1/8	7	4 1/4	2	5/8	3/8	1/2	160
100-1505	4 – 5 1/8	3/16	8 1/2	5 5/8	2	5/8	3/8	1/2	250
100-1506	6 – 7 1/8	3/16	10 7/8	7 1/2	3	5/8	3/8	1/2	300
100-1507	8 – 9 1/4	1/4	14	9 3/4	3	5/8	3/8	1/2	350
100-1508	10 – 11 3/8	1/4	18	12	4	5/8	1/2	3/4	450
100-1509	12 – 13 1/2	1/4	21 1/2	14 1/8	5	5/8	1/2	3/4	600
100-1510	14 – 15 3/4	1/4	24 1/2	16 1/2	5	3/4	1/2	3/4	700
100-1511	16 – 18	3/8	27 3/8	19 1/2	6	3/4	3/4	1	750
100-1512	19 – 21	3/8	34 1/2	22 1/2	6	3/4	3/4	1	800

*Design load values shown represent a 3:1 safety factor.



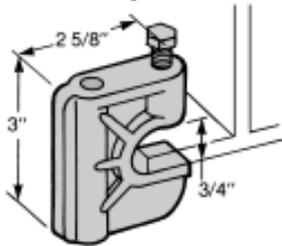
Beam Clamps

Aickinstrut beam clamps are available in two styles; molded and fabricated. The molded beam clamps are manufactured from glass-reinforced polyurethane and can accommodate $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ " hanger rod sizes. The molded beam clamps utilize the traditional "C" clamp style design. The fabrication beam clamps are manufactured from vinyl ester flat stock and utilize polyurethane

bolts and channel nuts for clamping. Fabricated beam clamps are available for attaching to $\frac{1}{4}$ ", $\frac{3}{8}$ " and $\frac{1}{2}$ " thick beam flanges. Each fabricated beam clamp assembly includes four (4) $\frac{1}{2}$ " Polyurethane bolts and two (2) attachment clips.

All Aickinstrut beam clamps allow easy attachment of threaded rod to "I" beams or other structural assemblies.

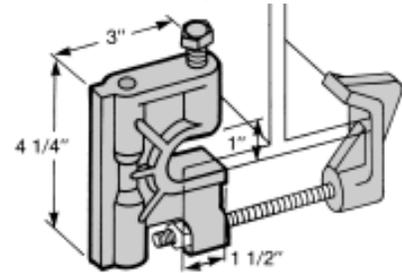
Molded Beam Clamps



Part Number	Size (in.)	Thread Shear (lbs.)*	Torque (ft./lbs.)
375PU-BC	$\frac{3}{8}$	400	10
500PU-BC	$\frac{1}{2}$	400	10

*Design load values shown represent a 3:1 safety factor.

Cope-Glas Beam Clamps

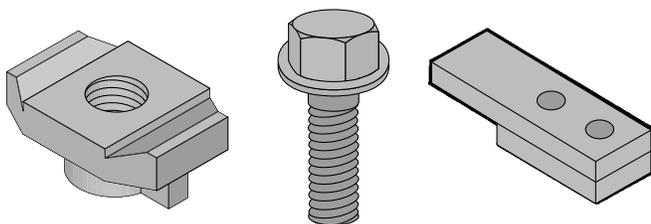


Part Number	Size (in.)	Thread Shear (lbs.)*	Torque (ft./lbs.)
RGBC-1	$\frac{3}{8}$	500	10
RGBC-2	$\frac{1}{2}$	500	10
RGBC-3	$\frac{5}{8}$	500	10

Beam Clip - 375PU-BCCLP ($\frac{3}{8}$ ")

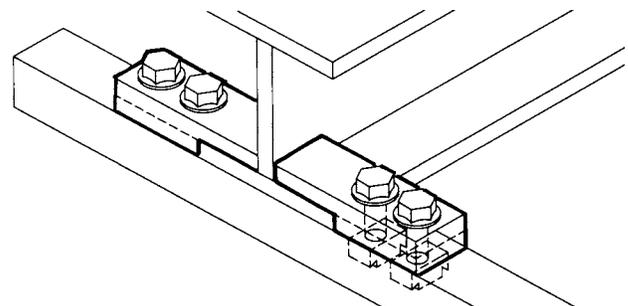


Fabricated Beam Clamps



Part Number	Flange Thickness (in.)	Thread Shear (lbs.)*	Torque (ft./lbs.)
20V-2BC-25	$\frac{1}{4}$	600	10
20V-2BC-37	$\frac{3}{8}$	600	10
20V-2BC-50	$\frac{1}{2}$	600	10

*Design load values shown represent a 3:1 safety factor. Bolts and channel nuts are $\frac{1}{2}$ " diameter.



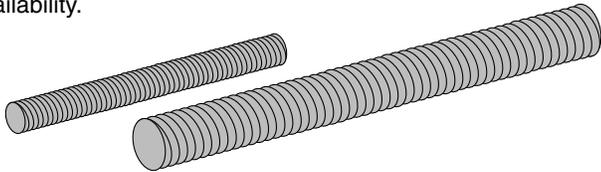


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Threaded Rod

Pultruded threaded rods are an excellent choice for hanging and fastening Aickinstruct Channel. These rods can also be used with either the Aickinstruct vinyl ester square nuts, polyurethane hex nuts, hex flange nuts and Aickinstruct channel nuts. All FRP threaded rod is manufactured from pultruded vinyl ester resin and is gray in color.

The standard rod lengths are 4' and 8'. Special lengths and threading are also available. Contact the factory for pricing and availability.

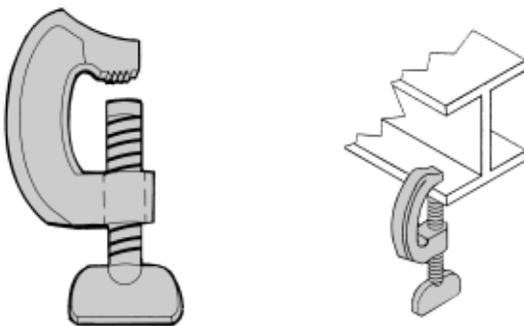


Part Number	Size (in.)	Weight (lbs.)	Thread Shear (lbs.)*	Torque (ft./lbs.)
200-3827	3/8-16	0.07	470	5
200-3828	1/2-13	0.12	570	10
200-3829	5/8-11	0.18	1,600	40
200-3830	3/4-10	0.28	1,700	50
200-3831	1-8	0.50	3,000	60

* Thread shear values shown represent a 3:1 safety factor.
 * To order eight foot lengths, add suffix "-96" to part number (EX: 200-3827-96)

Duraclamp C-Clamps

Duraclamp are glass-reinforced polyurethane clamps that are designed to replace steel C-Clamps in areas where corrosion is a problem. The individual Duraclamp components can also be purchased separately.

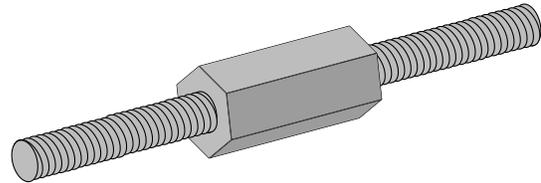


Part Number	Description	Thread Shear (lbs.)*	Torque (ft./lbs.)
390N-150	"C"-Clamp	25	17
390N-BLT	Bolt	N/A	17
390N-CLP	"C"	25	N/A

*Design load values shown represent a 3:1 safety factor.
 Note: Bolt Dimension is 5/8" x 2 1/2"

A-Konnector Rod Couplers

A-Konnectors provide an excellent means for extending Aickinstruct FRP all-thread rods beyond their standard lengths. A-Konnectors are manufactured from glass-reinforced polyurethane and are colored gray. A-Konnectors are packaged in bags containing 50 pieces.



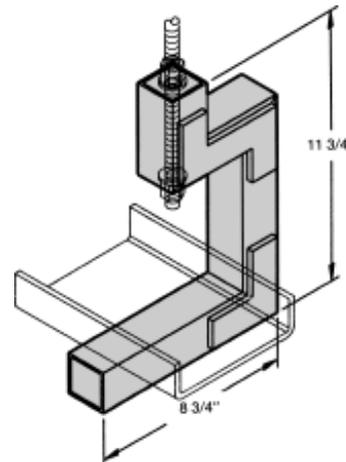
Part Number	Size (in.)	Length (in.)	Thread Shear (lbs.)*
200-3840	3/8-16	2 1/4	800
200-3841	1/2-13	2 1/4	870
200-3842	5/8-11	2 1/4	1,500
200-3843	3/4-10	2 1/4	1,500

* Thread shear values shown represent a 3:1 safety factor.

Channel Hangers

AIC-CH-P (Polyester) AIC-CH-V (Vinyl Ester)

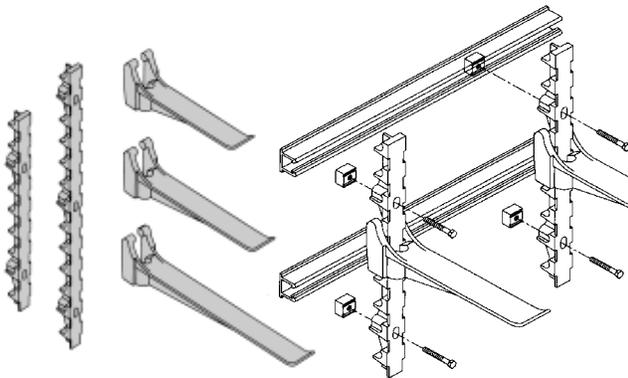
The Aickin-Channel Hanger is designed to support fiberglass structural "C" channel that is being used as a raceway system for cables, tubing or small diameter piping. The Aickin-Channel Hanger is available in either polyester or vinyl ester resin and is simply supported from a 1/2" FRP all-thread rod and beam clamp (not provided). The Channel Hanger will accommodate "C" channel width sizes 2" through 8".





Power-Rack Stanchions

The Power-Rack Stanchion is the new alternative to traditional iron cable stanchions used for utility and industrial cable supports. Made entirely from glass-reinforced nylon, these stanchions out-perform metallic supports against corrosion. The extended life-span of the Power-Rack Stanchion makes them the logical choice over metallic cable supports. The Power-Rack Stanchion is available in two different lengths and four different arm lengths. The unique interlocking design allows the arm to "lock" into nine different levels on the 14¹/₄" stanchions and fourteen on the 17¹/₂" stanchion. Glass-reinforced polyurethane stanchions are available as a special order. Contact the factory for pricing and availability.



Dimensions - The stanchion back is designed with 9/16" wide x 15/16" long holes to accept fasteners for mounting. There are two mounting holes in the 21 3/8" long stanchion and three mounting holes in the 33 5/16" long stanchion. Thickness at the slotted mounting holes is 1 7/8". The mounting holes are spaced on 12" centers and require 1/2" diameter features.

Installation - The Power-Rack Stanchions can be anchored into existing concrete structures using any good quality industrial anchoring system. For new concrete structures, the Power-

Rack Stanchions can be mounted to Aickinstrut concrete embedment channel and attached with 1/2" channel nuts and 1/2" x 3" Fiberfast Bolts.

Fire Retardance - Power-Rack materials meet or exceed the requirements of UL94 HB.

Loading - The recommended allowable loads on Power-Rack Stanchions vary depending upon the position of the arm. Following the guidelines listed below will ensure a safe, reliable installation.

- Total load on any one arm should not exceed 800 lbs.
- The sum of the loads on any arm multiplied by their distances to the wall stanchion should not exceed 1200 in./lbs.

Example - A cable weighing 200 lbs. is positioned on an arm at a distance of 5" from the wall stanchion.

If the total load is less than 800 lbs and the sum of the load multiplied by their distances to the wall stanchion does not exceed 1200 in./lbs., then the system is adequate. In this case,

Total load (200 < 800 lbs) = OK

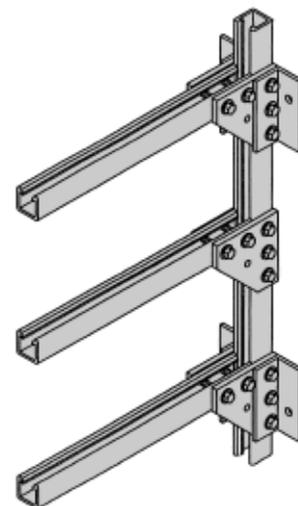
Total moment (200x5 in. = 1000 < 1200 in./lbs.) = OK

Part No.	Description	Weight (lbs.)	Load (lbs.)*
20N-ARM08	8" Arm	1.00	800
20N-ARM14	14 ¹ / ₄ " Arm	1.16	800
20N-ARM17	17 ¹ / ₂ " Arm	1.45	800
20N-ARM23	23 ⁷ / ₈ " Arm	1.86	800
20N-STA21	21 ³ / ₈ " Stanchion	1.49	N/A
20N-STA33	33 ⁵ / ₁₆ " Stanchion	2.31	N/A

*Design load values shown represent a 3:1 safety factor.

Wall Brackets

Aickin-Brackets are available in a wide variety of sizes and configurations. These wall brackets are made entirely from Aickinstrut material and are specifically designed to meet the customers requirements. They are ideal for customizing the support of piping, cables, tubing, conduits or cable trays. These brackets are available in either polyester or vinyl ester resin types and will work with all the Aickinstrut accessory items. Consult the factory for design, pricing and availability information.





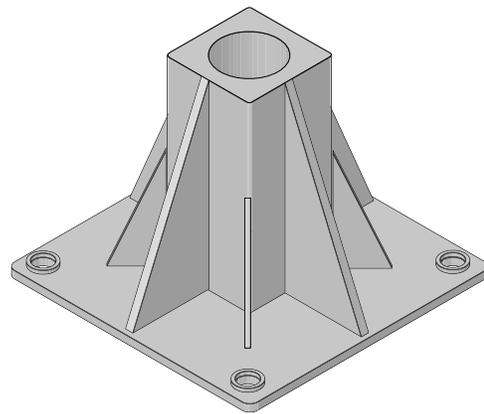
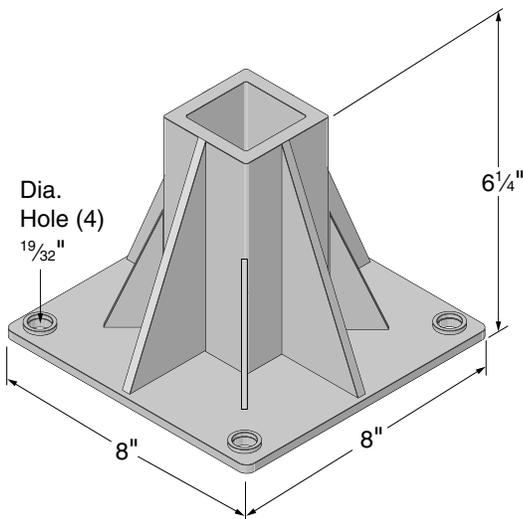
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Instrument & Pipe Stands

Heavy Duty Post Base

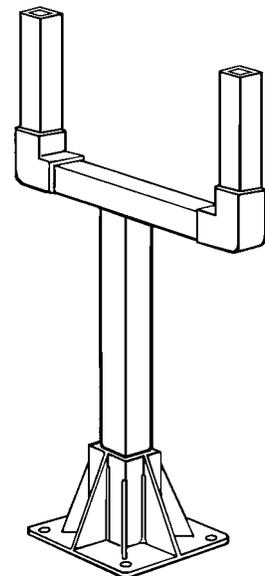
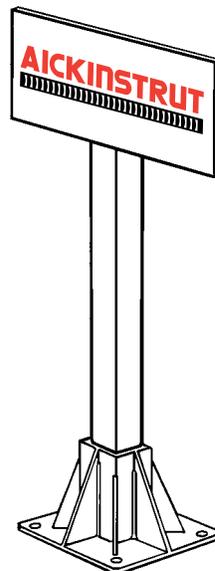
The Aickinstrut heavy duty post base is designed for applications that require a stronger base attachment than the standard Aickinstrut post base. Made from polyurethane, the heavy duty post base is available with four different openings: 1½", 1⅝", 2" square and 2" Schedule 80 round. The heavy duty post base is ideal for mounting fiberglass channel, handrails and instrument stands in corrosive environments. The standard color is gray, but special colors are available upon request.

20PU-5852	2" Square
20PU-5852 RD	2" Round
20PU-5853 HD	1⅝" Sq
20PU-5854 HD	1½" Sq



Instrument & Pipe Stands

Aickin-Instrument and Pipe Stands are available in polyester or vinyl ester resin types and are designed to meet specific customer requirements. These stands are ideal for supporting instruments and enclosures in corrosive environments. The stands utilize the Aickinstrut Heavy Duty Post Base and either 2" x 2" x 1/4" square tube or 2" Schedule 80 pipe to support the instruments or enclosures. These stands can be designed or configured to meet any application. Consult the factory for design, pricing and availability information.





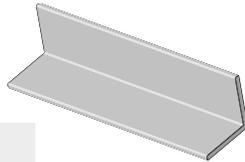
Structural Shapes

General purpose pultruded structural shapes can be used as a complement to Aickinstrut Channel Framing projects. The shapes are ideal for structural bracing, handrails, handrail kickplates and shims. Structural shapes are available in either polyester or vinyl ester resin and are provided in ten foot lengths. Additional structural shapes not listed in this catalog are available. Contact the factory for pricing and availability.

NOTES

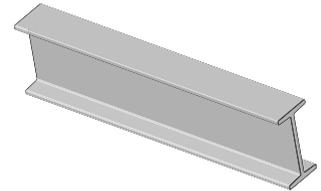
- ST - Standard Isophthalic Polyester Resin (Olive Green)
- FR - Isophthalic Polyester Fire Retardant Resin (Light Gray)
- VE - Vinyl Ester Fire Retardant Resin (Beige)
- * Stock Item
- † Stocked in Yellow

Equal Leg Angle



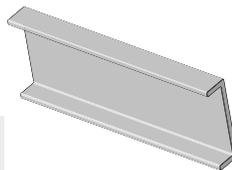
Size (In.)	Resin			#/Lin. Ft.
	ST	FR	VE	
1 x 1/8	*	*	*	0.21
1 1/4 x 1/8	-	-	-	0.23
1 1/2 x 3/16	*	-	-	0.37
1 1/2 x 1/4	*	*	*	0.51
2 x 1/4	*	*	*	0.68
3 x 1/4	*	*	*	1.04
3 x 3/8	*	*	*	1.65
3 x 1/2	-	-	-	2.15
4 x 1/4	*	*	*	1.41
4 x 3/8	*	*	*	2.23
4 x 1/2	*	*	*	2.92
6 x 3/8	-	-	-	3.44
6 x 1/2	*	*	*	4.50

I-Beam



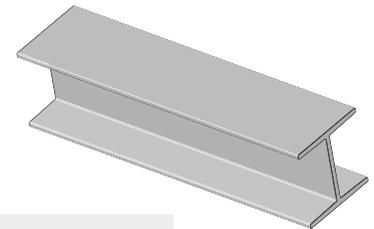
Size (In.)	Resin			#/Lin. Ft.
	ST	FR	VE	
3 x 3 x 1/4	*	*	*	1.69
4 x 4 x 1/4	*	*	*	2.10
6 x 6 x 1/4	*	*	*	3.41
6 x 6 x 3/8	*	*	*	5.05
8 x 8 x 3/8	*	*	*	6.49
8 x 8 x 1/2	-	-	-	8.70
10 x 10 x 3/8	-	-	-	8.74
10 x 10 x 1/2	-	-	-	10.90
12 x 12 x 1/2	-	-	-	13.20

Channel



Size (In.)	Resin			#/Lin. Ft.
	ST	FR	VE	
1 x 5/8 x 5/8 x 1/8	-	-	-	0.32
2 x 9/16 x 1/8	*	*	-	0.25
3 x 13/16 x 1/8	-	-	-	0.48
3 x 7/8 x 1/4	*	-	-	0.77
3 x 1 x 1/4	*	*	*	0.87
3 x 1 1/2 x 1/4	-	-	-	1.07
3 x 1/2 x 1 3/16 x 1/8	-	-	-	0.65
4 x 1 1/8 x 1/4	*	*	*	1.11
4 x 1 3/8 x 3/16	-	-	-	0.86
6 x 1 5/8 x 1/4	*	*	*	1.64
6 x 1 11/16 x 3/8	*	*	*	2.52
8 x 2 3/16 x 3/8	*	*	*	3.40
10 x 2 3/4 x 1/2	*	*	*	5.65

Wide Flange I-Beam

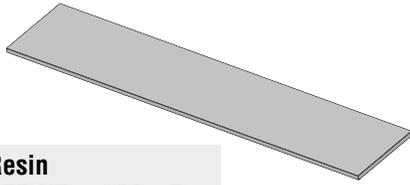


Size (In.)	Resin			#/Lin. Ft.
	ST	FR	VE	
3 x 3 x 1/4	*	*	*	1.69
4 x 4 x 1/4	*	*	*	2.10
6 x 6 x 1/4	*	*	*	3.41
6 x 6 x 3/8	*	*	*	5.05
8 x 8 x 3/8	*	*	*	6.49
8 x 8 x 1/2	-	-	-	8.70
10 x 10 x 3/8	-	-	-	8.74
10 x 10 x 1/2	-	-	-	10.90
12 x 12 x 1/2	-	-	-	13.20



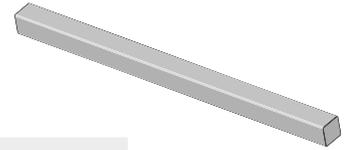
FIBERGLASS

Flat Sheet



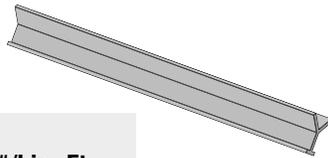
Size (In.)	Resin			#/Lin. Ft.
	ST	FR	VE	
1/8 x 48 x 96	*	*	*	1.14
3/16 x 48 x 96	*	*	*	1.71
1/4 x 48 x 96	*	*	*	2.34
3/8 x 48 x 96	*	*	*	3.54
1/2 x 48 x 96	*	*	*	4.68
5/8 x 48 x 96	-	-	-	5.79
3/4 x 48 x 96	-	-	-	6.94
1 x 48 x 96	-	-	-	9.27

Square Bar



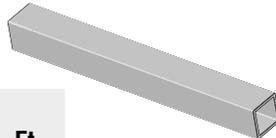
Size (In.)	Resin			#/Lin. Ft.
	ST	FR	VE	
1 x 1	*	-	-	0.87
1 1/4 x 1 1/4	-	*†	-	1.31
1 1/2 x 1 1/2	-	*†	-	1.98
2 x 2	-	-	-	3.12

Embedment Angle



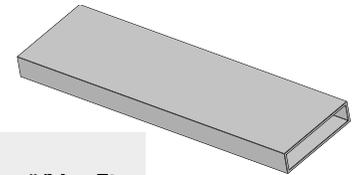
Size (In.)	Resin			#/Lin. Ft.
	ST	FR	VE	
1 x 1 1/2 x 1/4	-	-	*	1.00
1 1/2 x 1 1/2 x 1/4	-	-	*	1.10
2 x 1 1/2 x 1/4	-	-	*	1.20

Square Tube



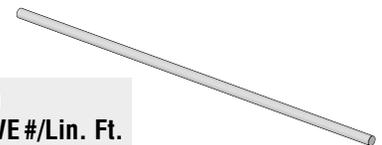
Size (In.)	Resin			#/Lin. Ft.
	ST	FR	VE	
1 x 1/8	*	*	*	0.32
1 1/8 x 1/8	-	-	-	0.37
1 1/4 x 1/8	-	-	-	0.41
1 1/4 x 1/4	-	*†	*†	0.68
1 1/2 x 1/8	*	*†	*†	0.54
1 1/2 x 1/4	-	-	*	0.98
1 3/4 x 1/8	-	*†	*†	0.63
1 3/4 x 1/4	-	*†	*†	1.10
2 x 1/8	*	*†	*†	0.69
2 x 1/4	*	*†	*†	1.40
2 1/8 x 3/16	-	*†	-	1.14
2 1/4 x 1/8	-	*†	-	0.83
2 1/2 x 1/4	-	*†	-	1.79
3 x 1/8	-	-	-	1.12
3 x 1/4	*	*	*	2.15
4 x 1/4	*	*	*	2.93
4 x 3/8	*	-	-	4.24
Toe Plate				
4 x 5/8 x 1/8	-	*†	-	0.49

Rectangular Tube



Size (In.)	Resin			#/Lin. Ft.
	ST	FR	VE	
4 x 1 x 1/8	-	-	-	0.85
4 x 1/8 x 2 x 1/4	-	-	-	1.52
4 3/8 x 1 3/8 x 1/8 x 3/16	-	-	-	1.18
4 1/2 x 1 3/8 x 1/8 x 3/16	-	-	-	1.29
5 x 2 x 1/8	-	-	-	1.32
5 1/8 x 2 1/8 x 3/16	-	-	-	1.32
6 1/2 x 1/4 x 2 x 1/2	-	-	-	3.77

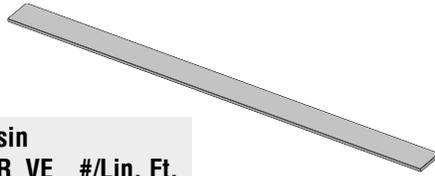
Round Rod



Size (In.)	Resin			#/Lin. Ft.
	ST	FR	VE	
1/8	*	-	-	0.01
3/16	*	-	-	0.02
1/4	*	-	-	0.04
0.3	-	-	-	0.06
5/16	*	-	-	0.07
0.35	-	-	-	0.08
3/8	*	-	*	0.09
7/16	-	-	-	0.13
1/2	*	-	*	0.17
5/8	*	-	*	0.27
3/4	*	-	*	0.39
1 3/16	-	-	-	0.46
1	*	-	*	0.66
1 1/8	-	-	-	0.87
1 1/4	*	-	-	1.08
1 1/2	*	-	-	1.56
1 3/4	-	-	-	2.10
2	-	-	-	2.56

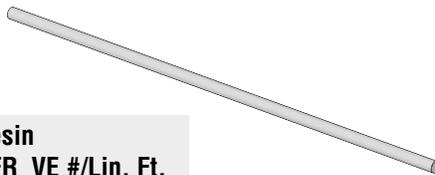


Flat Strip



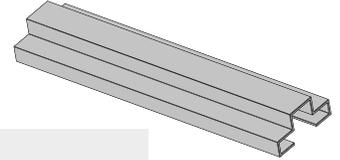
Size (In.)	Resin			#/Lin. Ft.
	ST	FR	VE	
5/8 x 1/4	*	-	-	0.11
3/4 x 1/4	*	-	-	0.14
1 x 1/8	-	-	-	0.11
1 1/4 x 3/16	-	-	-	0.19
1 1/2 x 3/8	-	-	-	0.50
1 1/2 x 1	-	-	-	1.32
1 3/4 x 3/16	-	-	-	0.28
1 3/4 x 1/4	*	-	-	0.38
2 x 1/2	-	-	-	0.88
2 x 1	-	-	-	1.76
2 1/2 x 3/16	-	-	-	0.34
3 x 1/4	-	-	-	0.66
3 x 3/8	-	-	-	0.99
3 x 1/2	-	-	-	1.32
4 x 1/8	-	-	-	0.44
6 x 1/4	-	-	-	1.32
6 x 1/2	-	-	-	2.16

Round Tube

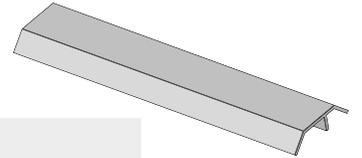


Size (In.)	Resin			#/Lin. Ft.
	ST	FR	VE	
5/8 Core	-	-	-	0.18
3/4 Core	-	-	-	0.21
1 x .100	-	-	-	0.22
1 x 1/4	*	*	-	0.25
1 1/4 Core	-	-	-	0.31
1 1/4 x 3/32	-	-	-	0.27
1 1/4 x 1/8	-	-	-	0.32
1 1/4 x 1/4	-	-	-	0.60
1 1/2 x 1/8	*	*	-	0.45
1 1/2 x 1/4	-	*	-	0.79
1 3/4 x 1/8	-	-	-	0.47
1 3/4 x 1/4	-	-	-	0.94
2 x 1/4	*	*	*	1.12
3 x .100	-	-	-	0.89
3 x 1/4	-	-	-	1.68
3 x 1/2	*	-	-	2.98
4 x .100	-	-	-	1.23
4 x 1/4	-	-	-	2.36
4.89 x 1/8	-	-	-	2.32
4.89 x 3/16	-	-	-	2.97

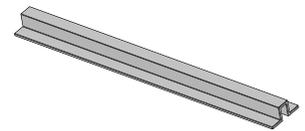
Special Shapes



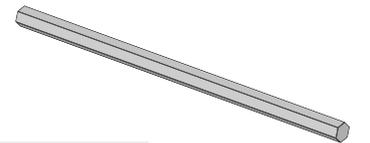
Profile/Size	Resin			#/Lin. Ft.
	ST	FR	VE	
Door Frame				
5 3/4 x 2 5/8 x 3/16	-	-	-	1.60



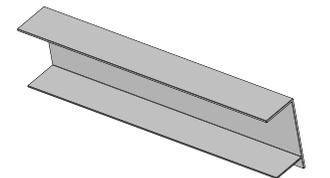
Threshold				
5 1/2 x 1/4	-	-	-	1.05



Hat Section				
2 x 7/8 x .140	-	-	-	0.34



Hex Bar (solid)				
7/8	-	-	-	0.60
1 3/16	-	-	-	1.00



Flight Channel				
3 x 6 x 1/8 x 3/16	*	-	-	1.31
3 x 8 x 1/8 x 3/16	*	-	-	1.43



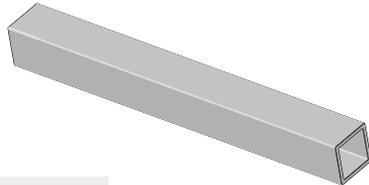
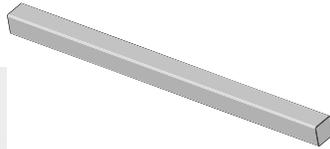
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Flat Strip



Size (In.)	#/Lin. Ft.
Toe Plate†	
4 x 5/8 x 1/8	0.49

Square Bar†	#/Lin. Ft.
1 1/4 x 1 1/4	1.31
1 1/2 x 1 1/2	1.98

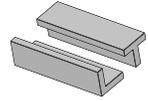


Square Tube†	#/Lin. Ft.
1 1/4 x 1/4	0.68
1 1/2 x 1/8	0.54
1 3/4 x 1/8	0.63
1 3/4 x 1/4	1.10
2 x 1/8	0.69
2 x 1/4	1.40
2 1/8 x 3/16	1.12
2 1/4 x 1/8	0.83
2 1/2 x 1/4	1.69

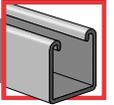
Fixed Connector†	#/Ea.
4 1/4 x 1 1/4	0.87
4 1/2 x 1 1/2	1.32



Handrail Connectors



Size (In.)	Resin ST FR VE	#/Ea.
Fixed 90°		
1 1/4	- *† -	0.87
1 1/2	- *† -	1.32
Adjustable 90°		
1 1/4	- - -	
1 1/2	- - -	
Fixed "T"		
1 1/4	- - -	
1 1/2	- - -	



Aickinzap 600-2200



Aickinzap is an acrylic spray that provides a corrosion resistant coating when applied to cut sections of Aickinstrut. Aickinzap is supplied in a 12 oz. can and is recommended for use as a sealant for Aickinstrut polyester and vinyl ester materials after cutting or drilling. Aickinzap is the quickest, most convenient method for sealing after fabrication.

AICK-DIST-DISP

The Aickin Distributor Display is a counter top display for stocking distributors. This display features multiple channel sizes and materials, adjustable and rigid pipe straps, U-bolts, molded and fabricated channel fittings, post bases, clevis hangers and fasteners. All of these materials are then assembled to form a comprehensive, compact display which becomes an excellent sales tool.



Aickincoat 600-1500 (Quart), 600-1600 (Gallon)



Aickincoat is a “brush-on” corrosion resistant sealant that should be applied to all cut or drilled surfaces of fiberglass to seal exposed areas from corrosion. Aickincoat dries into a clear, hard, glossy coating that restores weathered fiberglass surfaces and provides an excellent barrier from ultraviolet degradation. It is available in quart and gallon cans.



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Promotional Materials

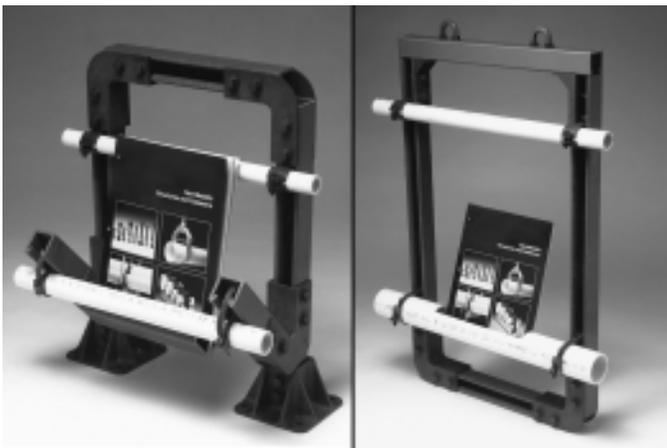
Promotional materials are available for select individuals, including stocking distributors, end users, OEM's, contractors, specifying engineers, consultants and sales representatives. Please contact the factory for availability.

Aickin Adjustable Pipe Clamp Sample AJPSS2



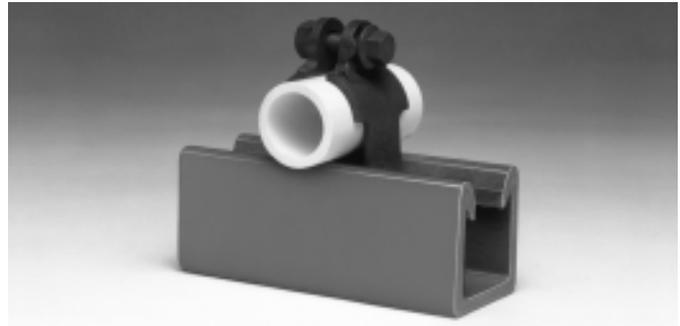
The Aickin Adjustable Pipe Clamp Sample is a desk top sample that displays the Aickin Adjustable Pipe Strap clamping a piece of PVC pipe onto a section of Aickinstrut Channel.

Aickin Distributor Literature Displays (Hanging) AICK-LIT-DISP (Counter Stand) AICK-LIT-DISP-CS



The Aickin Distributor Literature Display is offered in two designs; wall hanging and counter standing. The wall hanging design is meant to be hung from the two top U-bolts while the counter standing design is a free standing counter display. Both displays incorporate Aickinstrut channel in their design and utilize the PVC display pipe as the literature container.

Aickin Rigid Pipe Clamp Sample ARPS2



The Aickin Rigid Pipe Clamp Sample is a desk top sample that displays the rigid pipe strap clamping a piece of PVC pipe onto a section of Aickinstrut Channel.

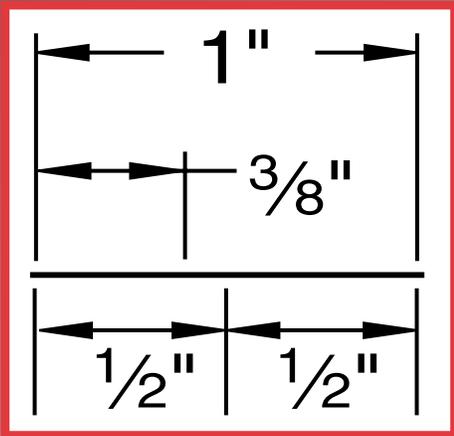
Aickin Sample Box AICK-SAMP-CART



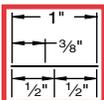
The Aickin Sample Box is a convenient plastic carrying case with a complete sampling of the Aickinstrut product line.

Each Sample Box includes:

- PVC strut sample (20E-2000)
- Polyester strut sample (20P-2000)
- Polyester slotted strut sample (20P-1100)
- Vinyl ester strut sample (20V-1500)
- Polyester solid channel fitting (20V-2500)
- Vinyl ester grooved channel fitting (20V-2802)
- Saddle Clip (200-4226)
- Fiberfast bolts (250PU-000, 375PU-125 & 500PU-000)
- Fiberfast nuts (250PU-000, 375PU-125 & 500PU-CN)
- Square nut (500V-000)
- PVC washers (375E-999 & 500E-999)
- Standard duty channel nuts (375PU-CN & 500PU-CN)
- Heavy duty channel nut (500PU-CNHD)
- Adjustable pipe clamp (200-3110)
- Rigid pipe clamp (PCR-125)
- FRP threaded rod samples (200-3827 & 200-3828)



TECHNICAL DATA



TECHNICAL DATA

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BEAM DIAGRAMS AND FORMULAS (Nomenclature)

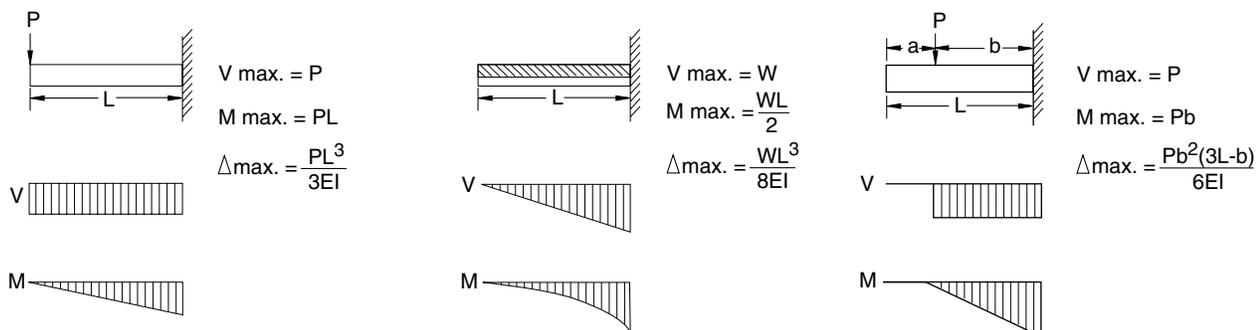
E	Modulus of Elasticity of steel at 29,000 ksi.
I	Moment of Inertia of Beam (inch ⁴).
M _{max}	Maximum Moment (kip inch)
M ₁	Maximum moment in left section of beam (kip inch)
M ₂	Maximum moment in right section of beam (kip inch)
M _x	Moment at distance x from end of beam (kip inch)
P	Concentrated Load (kips)
R	End beam reaction for any condition of symmetrical loading (kips)
R ₁	Left end beam reaction (kips)
R ₂	Right end or intermediate beam reaction (kips)
V	Maximum vertical shear for any condition of symmetrical loading (kips)
V ₁	Maximum vertical shear in left section of beam (kips)
V ₂	Vertical shear at right reaction point, or to left of intermediate reaction point of beam (kips)
V _x	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 ₁	Any distance measured along overhang section of beam from nearest reaction point (in).
Δ _{max}	Maximum deflection (inch)
Δ _a	Deflection at point of load (inch)
Δ _x	Deflection at point x distance from left reaction (inch)

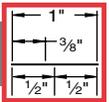
LATERAL BRACING

Long spanning strut, when loaded, has a tendency to twist or bend laterally. This occurrence results in reductions in the allowable beam loads shown in the tables. It's recommended that long spans be laterally braced properly. Many systems inherently provide such bracing. Pipes, conduits, and cable tray do so when attached to the strut with straps, clamps and other fittings. Direct all questions regarding laterally bracing issues to the factory.

Beam Diagrams and Formulas (Cantilever Beams)

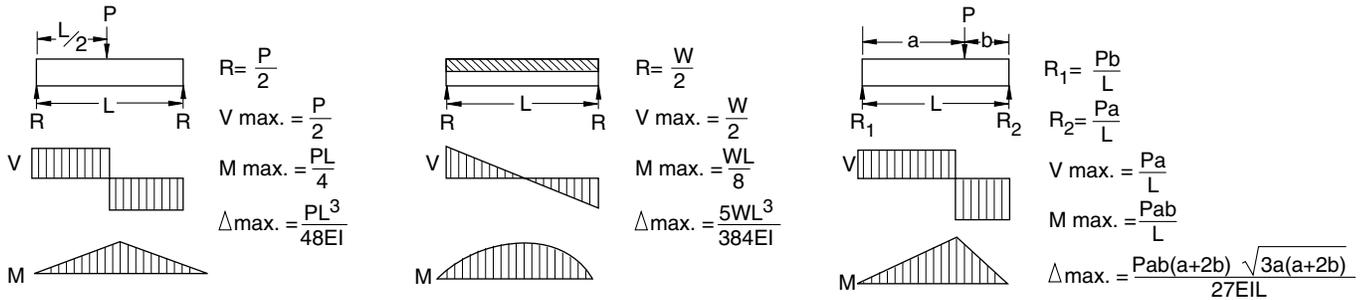
CANTILEVER BEAMS



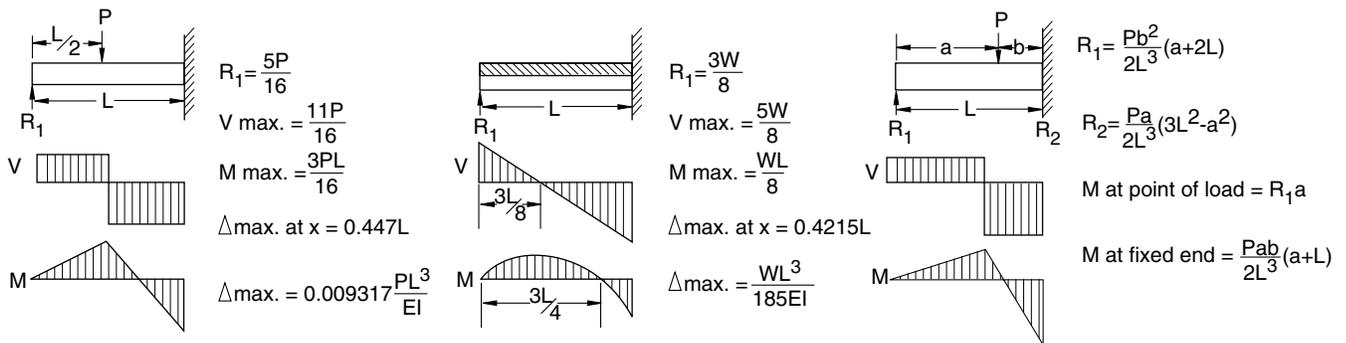


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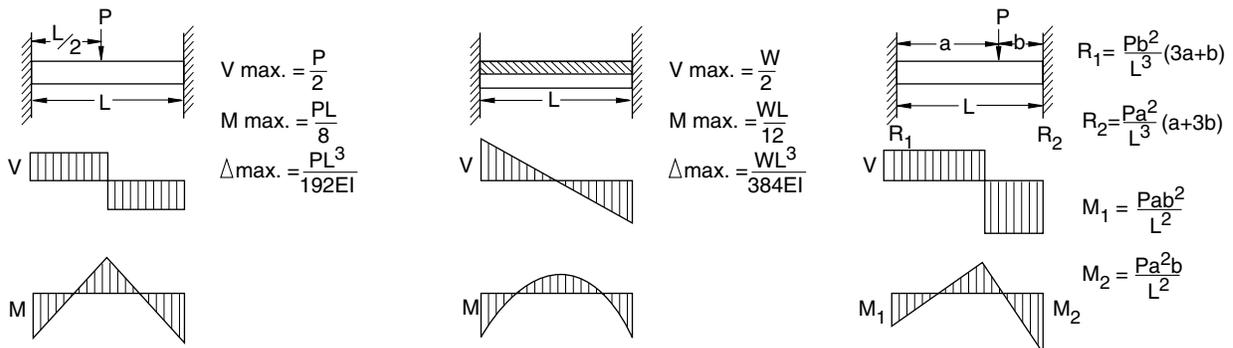
Beam Diagrams and Formulas (Simple Beams)

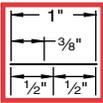


Beam Diagrams and Formulas (Beams fixed at one end, supported at other)



Beam Diagrams (Beams fixed at both ends)

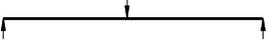
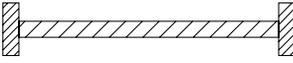
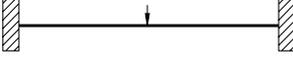
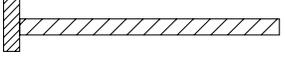
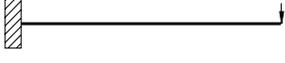
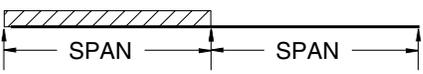
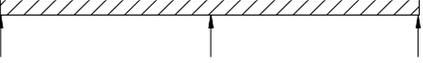




TECHNICAL DATA

Beam Load (Static) Conversion Factors

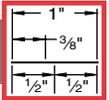
Power-Strut beam loads shown for various channels throughout this catalog are for single span, simple beams, with uniform loads. Loading or other support conditions can be calculated by multiplying the channel beam load by the appropriate factor listed below.

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

Example solutions

- 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 29), the maximum uniform load for a 72" span is 560# with a deflection of .50".
Multiply the above factors: Load = 560 x .50 = 280#
Defl. = .50 x .80 = .40"

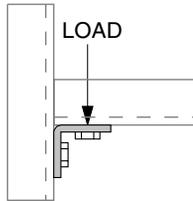
- To determine the load and deflection of a PS-200-2T3 cantilever beam 24" long with a concentrated load at end:
From the PS-200-2T3 Beam Load Chart (page 30), the maximum uniform load for a 24" span is 3130# with a deflection of .03".
Multiply the above factors: Load = 3130# x .12 = 376#
Defl. = .03 x 3.20 = .096"



DESIGN LOAD DATA FOR POWER-STRUT CHANNEL CONNECTIONS

PS 603 –PS-200 1500#, PS-210 1000#

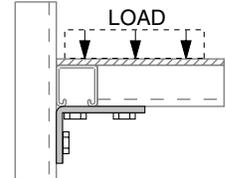
Channel	Load (lbs)
PS 200	1,500
PS 210	1,000



Both Ends Supported

PS 605 –PS-200 1500, #PS-210 1000#

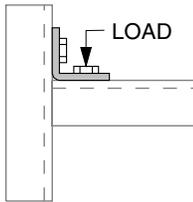
Channel	Load (lbs)
PS 200	1,500
PS 210	1,000



Both Ends Supported

PS 603 –PS-200 1000#, PS-210 650#

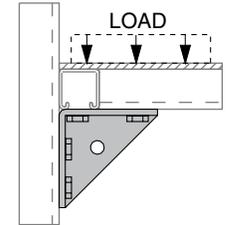
Channel	Load (lbs)
PS 200	1,000
PS 210	650



Both Ends Supported

PS 3373 –PS-200 3000#, PS-210 2000#

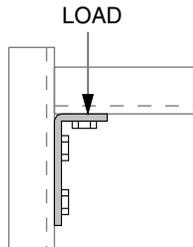
Channel	Load (lbs)
PS 200	3,000
PS 210	2,000



Both Ends Supported

PS 745 –PS-200 2000#, PS-210 1500#

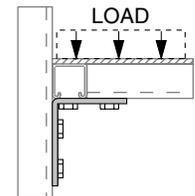
Channel	Load (lbs)
PS 200	2,000
PS 210	1,500



Both Ends Supported

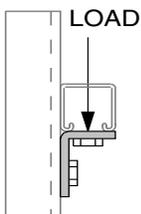
PS 607 –PS-200 2000#, PS-210 2000#

Channel	Load (lbs)
PS 200	2,000
PS 210	2,000

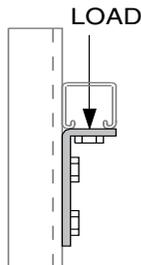


Both Ends Supported

PS 604 – 500#

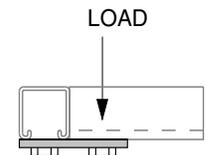


PS 606 – 500#



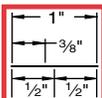
PS-601 PS-210 1000#, PS-210 800#

Channel	Load (lbs)
PS 200	1,000
PS 210	800



Both Ends Supported

- 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.



TECHNICAL DATA

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.

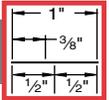
These factors are included in the dimensions given:

- 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.

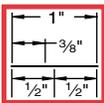


Centerline to Centerline Dimensions, Inches

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
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
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

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	–	–	–	
10	T	14¼	15¾	13½	15	16¼	14	16¼	17½	17½	–	–	
	F	15½	17	14¾	16¼	17½	15¼	17½	18¾	18¾	20	–	
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

T – denotes threaded IPS pipe. F – denotes flanged fittings on pipe.
S – denotes soldered or brazed tubing.



TECHNICAL DATA

Minimum Size Power-Strut Channel - To Comply with NFPA 13 Table 2-6.1 5(a) 1996 Edition

Channel Size	Sect. Mod. (in ³)
 PS-200 1 ⁵ / ₈ " x 1 ⁵ / ₈ " x 12 ga.	.202
 PS-150 1 ⁵ / ₈ " x 2 ⁷ / ₁₆ " x 12 ga.	.391
 PS-100 1 ⁵ / ₈ " x 3 ¹ / ₄ " x 12 ga.	.628

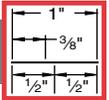
Channel Size	Sect. Mod. (in ³)
 PS-150 2T3 1 ⁵ / ₈ " x 4 ⁷ / ₈ " x 12 ga.	1.153
 PS-100 2T3 1 ⁵ / ₈ " x 6 ¹ / ₂ " x 12 ga.	1.716

Section Modulus Required for Trapeze Members (in.³)

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	2.19
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	1.95
	0.50	0.53	0.55	0.59	0.66	0.74	0.81	0.89	1.08	1.30	1.81	2.46
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	2.17
	0.56	0.59	0.61	0.65	0.74	0.82	0.90	0.99	1.20	1.44	2.01	2.74

Exceeds Section Modulus for Channel Shown Above

Top values are for Schedule 10 pipe; bottom values are for Schedule 40 Pipe.



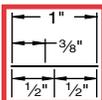
Electrical Metallic Tubing Data

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 1 3/8	-	-	-	-	-	-	-	-	-	-	-	-
3/4"	1 5/16 1 1/2	1 7/16 1 5/8	-	-	-	-	-	-	-	-	-	-	-
1"	1 1/2 1 3/4	1 5/8 1 7/8	1 3/4 2	-	-	-	-	-	-	-	-	-	-
1 1/4"	1 3/4 2	1 7/8 1 1/8	2 2 1/4	2 1/4 2 1/2	-	-	-	-	-	-	-	-	-
1 1/2"	1 15/16 2 1/8	2 1/16 2 1/4	2 3/16 2 3/8	2 7/16 2 5/8	2 9/16 2 3/4	-	-	-	-	-	-	-	-
2"	2 3/16 2 3/8	2 5/16 2 1/2	2 1/2 2 3/4	2 3/4 3	2 7/8 3 1/8	3 1/8 3 3/8	-	-	-	-	-	-	-
2 1/2"	2 7/16 2 5/8	2 9/16 2 3/4	2 3/4 3	3 3 1/4	3 1/8 3 3/8	3 3/8 3 5/8	3 5/8 4	-	-	-	-	-	-
3"	2 13/16 3	2 15/16 3 3/8	3 1/16 3 3/8	3 5/16 3 5/8	3 7/16 3 3/4	3 3/4 4	4 4 3/8	4 5/16 4 3/4	-	-	-	-	-
3 1/2"	3 1/8 3 3/8	3 1/4 3 1/2	3 3/8 3 5/8	3 5/8 3 3/8	3 3/4 4	4 1/16 4 3/8	4 5/16 4 5/8	4 5/8 5	4 15/16 5 3/8	-	-	-	-
4"	3 7/16 3 3/4	3 9/16 3 3/8	3 11/16 4	3 15/16 4 1/4	4 1/16 4 3/8	4 3/8 4 3/4	4 5/8 5	4 15/16 5 3/8	5 1/4 5 5/8	5 9/16 6	-	-	-
4 1/2"	3 3/4 4	3 7/8 4 1/8	4 4 1/4	4 1/4 4 1/2	4 3/8 4 3/4	4 5/8 5	4 7/8 5 1/4	5 1/4 5 5/8	5 9/16 6	5 7/8 6 1/4	6 1/8 6 1/2	-	-
5"	4 1/8 4 3/8	4 1/4 4 1/2	4 3/8 4 5/8	4 5/8 4 7/8	4 3/4 5	5 5 3/8	5 1/4 5 5/8	5 9/16 6	5 7/8 6 1/4	6 3/16 6 5/8	6 1/2 7	6 13/16 7 1/4	-
6"	4 3/4 5	4 7/8 5 1/8	5 5 1/4	5 1/4 5 1/2	5 3/8 5 5/8	5 5/8 6	5 7/8 6 1/4	6 3/16 6 5/8	6 1/2 7	6 13/16 7 1/4	7 1/8 7 5/8	7 7/16 8	8 1/8 8 5/8



TECHNICAL DATA

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

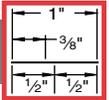
Maximum weight equals weight of rigid conduit plus weight of heaviest conductor combination as specified by the 1996 edition of the "National Electric Code Handbook."

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

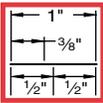
1 Cubic ft. of water weighs 62.35 lbs.

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



TECHNICAL DATA

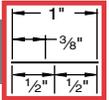
Copper Tube Data

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	½	¾	1	1¼	1½	2	2½	3	3½	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

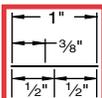
Nominal Pipe Size, Inches	½	¾	1	1¼	1½	2	2½	3	3½	4	5	6	8	10	12	14	16	18	20	24
Maximum Span, Ft.*	5	6	7	7	9	10	11	12	13	14	16	17	19	2	23	25	27	28	30	32
Recommended Hanger Rod Sizes	⅜	⅜	⅜	⅜	⅜	⅜	½	½	½	⅝	⅝	¾	⅞	⅞	⅞	1	1	1¼	1½	or Trapeze

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.



TECHNICAL DATA

PVC Plastic Pipe Data – Schedule 40 & 80

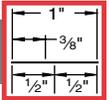
Nom. Tube Size	Schedule No.	O.D.	Wall Thick	Wt./Ft. Lbs.	Wt. of Water/Ft. Lbs.
1/8"	40	0.405	0.068	0.043	0.025
	80		0.095	0.055	0.016
1/4"	40	0.540	0.088	0.074	0.045
	80		0.119	0.094	0.031
3/8"	40	0.675	0.091	0.100	0.083
	80		0.126	0.129	0.061
1/2"	40	0.840	0.109	0.150	0.132
	80		0.147	0.150	0.101
3/4"	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 Water/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 PMC 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



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

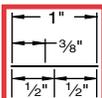
Nom. Pipe Size	O.D.	Wall Thick	Wt./Ft. Lbs.	Wt. of Water/Ft. lbs.
1½"	1.84	0.12	0.64	0.89
2"	2.34	0.14	0.94	1.45
3"	3.41	0.17	1.60	3.19
4"	4.53	0.20	2.60	5.79
6"	6.66	0.24	4.70	12.78
Heavy Schedule				
1"	1.31	0.16	0.60	0.35
1½"	1.84	0.17	0.87	0.76
2"	2.34	0.17	1.10	1.36
3"	3.41	0.20	2.00	3.06
4"	4.53	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.

Mechanical Joint Pipe Class 150. Approximately same weight for Bell & Spigot. Flange cast iron pipe add weight of flanges.

Load Carrying Capacities of Threaded Hot Rolled Steel Rod

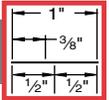
Nominal Rod Dia.	Root Area Sq. (In.)	Maximum Safe Load, Pounds	
		650°	750°
¼"	0.027	240	210
⅜"	0.068	610	540
½"	0.126	1,130	1,010
⅝"	0.202	1,810	1,610
¾"	0.302	2,710	2,420
⅞"	0.419	3,770	3,030
1"	0.552	4,960	4,420
1⅛"	0.693	6,230	5,560
1¼"	0.889	8,000	7,140
1½"	1.293	11,630	10,370
1¾"	1.744	15,700	14,000
2"	2.300	20,700	18,460
2¼"	3.023	27,200	24,260
2½"	3.719	33,500	29,880



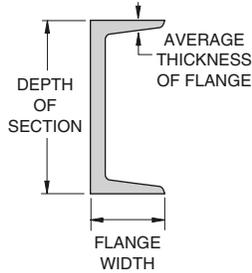
TECHNICAL DATA

Wide Flange Beams

Depth of Section	Wt/ Foot	Flange Width	Avg. Flange Thickness	Depth of Section	Wt/ Foot	Flange Width	Avg. Flange Thickness	Depth of Section	Wt/ Foot	Flange Width	Avg. Flange Thickness					
5"	16	5"	0.360"	12"	87		0.810"	18"	40		0.525"					
	19		0.430"		96		0.900"		46		0.605"					
6"	12	4"	0.280"		106		12 ¹ / ₄ "		0.990"		50	7 ¹ / ₂ "	0.570"			
	16		0.405"		120		12 ³ / ₈ "		1.105"		55	0.630"				
	20	6"	0.365"		136		12 ¹ / ₂ "		1.250"		60	7 ⁵ / ₈ "	0.695"			
	25		0.455"		152				1.400"		65		0.750"			
	8"		13		4"				0.255"		14"		22	5"	0.335"	21"
15		0.315"	26				0.420"		50			0.535"				
18		5 ¹ / ₄ "	0.330"		30		6 ³ / ₄ "		0.385"			57	0.650"			
21			0.400"		34		8"		0.455"			62	8 ¹ / ₄ "		0.615"	
24		6 ¹ / ₂ "	0.400"		38				0.515"			68	8 ³ / ₈ "		0.685"	
28			0.465"		43		0.530"		73			0.740"				
31		8"	0.435"	48	0.595"	83	8 ³ / ₈ "	0.835"								
35	0.495"		53	0.660"	93	0.930"										
40	8 ¹ / ₈ "	0.560"	61	10"	0.645"	111	12 ³ / ₈ "	0.875"								
48		0.685"	68		0.720"			122	0.960"							
58	8 ¹ / ₄ "	0.810"	74	10 ¹ / ₈ "	0.785"	147	12 ¹ / ₂ "	1.150"								
67		0.935"	82	0.855"	24"	55	7"	0.505"								
10"	15	4"	0.270"	90		14 ¹ / ₂ "		0.710"	62	0.590"						
	17		0.330"	99		14 ⁵ / ₈ "		0.780"	68	9"	0.585"					
	19	5 ³ / ₄ "	0.395"	109		14 ³ / ₄ "		1.030"	76	9 ¹ / ₈ "	0.680"					
	22		0.360"	120				0.940"	84		0.770"					
	26	8"	0.440"	132		15 ¹ / ₂ "		1.090"	94	12 ³ / ₄ "	0.875"					
	30		0.510"	145		15 ⁵ / ₈ "		1.190"	104		0.750"					
	33	10"	0.435"	176		15 ³ / ₄ "		1.310"	117	12 ⁷ / ₈ "	0.850"					
	39		0.530"	193				1.440"	131		0.960"					
	45	10 ¹ / ₈ "	0.620"	211		16"		1.560"	146	13"	1.220"					
	49		0.560"	233				15 ⁷ / ₈ "	1.720"		27"	84	10"	0.640"		
	54	10 ¹ / ₄ "	0.615"	257		16"		1.890"	94	0.745"						
	60		0.680"	283	16 ¹ / ₈ "	2.070"	102	0.830"								
68	10 ³ / ₈ "	0.770"	311	16 ¹ / ₄ "	2.260"	114	10 ¹ / ₈ "	0.930"								
77		0.870"	342	16 ³ / ₈ "	2.470"	146	14"	0.975"								
88	12"	0.990"	370	16 ¹ / ₂ "	2.660"	161	14 ¹ / ₈ "	1.080"								
100		1.120"	398	16 ⁵ / ₈ "	2.845"	178		1.190"								
112	1.250"	426	16 ³ / ₄ "	3.035"	30"	99	10 ¹ / ₂ "	0.670"								
12"	16	4"	0.265"	16"		26		5 ¹ / ₂ "	0.345"	108		0.760"				
	19		0.350"			31			0.440"	116		0.850"				
	22	6 ¹ / ₂ "	0.425"			36			7"	0.430"		124		15"	0.930"	
	26		0.380"			40				0.505"		132			1.000"	
	30	6 ⁵ / ₈ "	0.440"			45			7 ¹ / ₈ "	0.565"	173	15"	1.065"			
	35		0.520"			45				0.565"	191		1.185"			
	40	8"	0.515"			50			10 ¹ / ₄ "	0.630"	18"	6"	0.425"			
	45		0.575"			57				0.715"						
	50	8 ¹ / ₈ "	0.640"			67			10 ³ / ₈ "	0.875"						
	53		0.575"			77			0.760"							
	58	10"	0.640"			89			10 ³ / ₈ "	0.875"						
	65		0.605"		100	0.985"										
72	12"	0.670"	18"	35	6"	0.425"										
79		12 ¹ / ₈ "					0.735"									

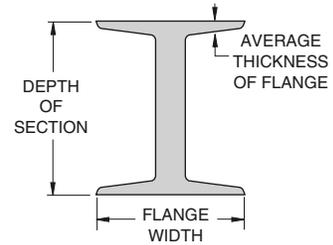


Channels – American Standard

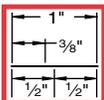


Depth of Section	Weight/Foot	Flange Width	Avg. Flange Thickness
3"	4.10	1 ³ / ₈ "	0.273"
	5.00	1 ¹ / ₂ "	
	6.00	1 ⁵ / ₈ "	
4"	5.40	1 ⁵ / ₈ "	0.296"
	7.25	1 ³ / ₄ "	
5"	6.70	1 ³ / ₄ "	0.320"
	9.00	1 ⁷ / ₈ "	
6"	8.20	1 ⁷ / ₈ "	0.343"
	10.50	2"	
	13.00	2 ¹ / ₈ "	
7"	9.80	2 ¹ / ₈ "	0.366"
	12.25	2 ¹ / ₄ "	
	14.75	2 ¹ / ₄ "	
8"	11.50	2 ¹ / ₄ "	0.390"
	13.75	2 ³ / ₈ "	
	18.75	2 ¹ / ₂ "	
9"	13.40	2 ³ / ₈ "	0.413"
	15.00	2 ¹ / ₂ "	
	20.00	2 ⁵ / ₈ "	
10"	15.30	2 ⁵ / ₈ "	0.436"
	20.00	2 ³ / ₄ "	
	25.00	2 ⁷ / ₈ "	
	30.00	3"	
12"	20.70	3"	0.501"
	25.00	3"	
	30.00	3 ¹ / ₈ "	
15"	33.90	3 ³ / ₈ "	0.650"
	40.00	3 ¹ / ₂ "	
	50.00	3 ³ / ₄ "	
18"	42.70	4"	0.625"
	45.80	4"	
	51.90	4 ¹ / ₈ "	

I-beams – American Standard

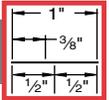


Depth of Section	Weight/Foot	Flange Width	Avg. Flange Thickness
3"	5.70	2 ³ / ₈ "	0.260"
	7.50	2 ¹ / ₂ "	
4"	7.70	2 ⁵ / ₈ "	0.293"
	9.50	2 ³ / ₄ "	
5"	10.00	3"	0.326"
	14.75	3 ¹ / ₄ "	
6"	12.50	3 ³ / ₈ "	0.359"
	17.25	3 ⁵ / ₈ "	
7"	15.30	3 ⁵ / ₈ "	0.392"
	20.00	3 ⁷ / ₈ "	
8"	18.40	4"	0.426"
	23.00	4 ¹ / ₈ "	
10"	25.40	4 ⁵ / ₈ "	0.491"
	35.00	5"	
12"	31.80	5"	0.544"
	35.00	5 ¹ / ₈ "	
	40.80	5 ¹ / ₄ "	
15"	50.00	5 ¹ / ₂ "	0.659"
	42.90	5 ¹ / ₂ "	
	50.00	5 ⁵ / ₈ "	
18"	54.70	6"	0.691
	70.00	6 ¹ / ₄ "	
20"	66.00	6 ¹ / ₄ "	0.795
	75.00	6 ³ / ₈ "	
	86.00	7"	
	96.00	7 ¹ / ₄ "	
24"	80.00	7"	0.871
	90.00	7 ¹ / ₈ "	
	100.00	7 ¹ / ₄ "	
	106.00	7 ³ / ₈ "	



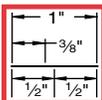
TECHNICAL DATA

To Convert From	To	Multiply By	To Convert From	Multiply To	By
Length					
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
Area					
Square Inch [in ²]	Square Millimeter [mm ²]	645.16	Square Millimeter [mm ²]	Square Inch [in ²]	0.001550
Square Foot [ft ²]	Square Meter [m ²]	0.092 903	Square Meter [m ²]	Square Foot [ft ²]	10.763 915
Square Yard [yd ²]	Square Meter [m ²]	0.836 127	Square Meter [m ²]	Square Yard [yd ²]	1.195 991
Square Mile [mi ²] (U.S. Statute)	Square Kilometer [km ²]	2.589 998	Square Kilometer [km ²]	Square Mile [mi ²] (U.S. Statute)	0.386 101
Acre	Square Meter [m ²]	4046.873	Square Meter [m ²]	Acre	0.000 247
Acre	Hectare	0.404 687	Hectare	Acre	2.471 046
Volume					
Cubic Inch [in ³]	Cubic Millimeter [mm ³]	16387.06	Cubic Millimeter [mm ³]	Cubic Inch [in ³]	0.000061
Cubic Foot [ft ³]	Cubic Meter [m ³]	0.028 317	Cubic Meter [m ³]	Cubic Foot [ft ³]	35.314 662
Cubic Yard [yd ³]	Cubic Meter [m ³]	0.764 555	Cubic Meter [m ³]	Cubic Yard [yd ³]	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
Mass					
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
Force					
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
Bending Moment					
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
Pressure, Stress					
Pound-Force per Square Inch [lbf/in ²]	Kilopascal [kPa]	6.894 757	Kilopascal [kPa]	Pound-Force per Square Inch [lbf/in ²]	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
Energy, Work, Heat					
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 ⁻⁷
Power					
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
Angle					
Degree	Radian [rad]	0.017 453	Radian [rad]	Degree	57.295 788
Temperature					
Degree Fahrenheit [F]	Degree Celsius [C]	(F° -32)/1.8	Degree Celsius [C]	Degree Fahrenheit [F]	1.8xC°+32



■ Metal Framing

PA 158.....	140	PS 210 S.....	36	PS 631.....	78	PS 733.....	77	PS 993.....	79
PA 238.....	140	PS 211.....	58	PS 633.....	70	PS 734.....	77	PS 998.....	103
PA 318.....	140	PS 230.....	58	PS 644.....	78	PS 735.....	77	PS 1000.....	86
PA 1GP.....	140	PS 270.....	92	PS 645.....	78	PS 736.....	104	PS 1004.....	79
PA 1HDC.....	140	PS 285.....	131	PS 646.....	78	PS 744.....	64	PS 1100.....	86
PA 1RC.....	140	PS 300.....	39	PS 647.....	74	PS 745.....	67	PS 1116.....	86
PA 1RP.....	140	PS 300 2T3.....	41	PS 649.....	120	PS 746.....	70	PS 1117.....	86
PA 1SC.....	140	PS 300 EH.....	39	PS 651.....	94	PS 747.....	65	PS 1154.....	130
PA 1SNB.....	140	PS 300 H.....	39	PS 653.....	130	PS 748.....	70	PS 1200.....	87
PS 51.....	89	PS 300 K06.....	39	PS 654.....	130	PS 750.....	64	PS 1300.....	86
PS 52 E.....	92	PS 300 S.....	39	PS 655.....	115	PS 752 R or L.....	69	PS 1450.....	88
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PS 83.....	57	PS 400 2T3.....	44	PS 659.....	116	PS 763.....	66	PS 1610.....	126
PS 85.....	107	PS 400 EH.....	42	PS 660.....	68	PS 764.....	66	PS 1801.....	126
PS 86.....	107	PS 400 H.....	42	PS 661 T1.....	94	PS 781.....	71	PS 1850.....	126
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PS 95.....	107	PS 449.....	129	PS 666.....	80	PS 803.....	116	PS 1911.....	100
PS 100.....	22	PS 500.....	45	PS 667.....	80	PS 804.....	79	PS 2007 R or L.....	70
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PS 135.....	58	PS 520.....	48	PS 678.....	77	PS 809.....	94	PS 2015.....	136
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PS 150 2T3.....	27	PS 520 S.....	48	PS 685.....	103	PS 816.....	100	PS 2019.....	137
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PS 150 S.....	25	PS 560 H.....	51	PS 692.....	75	PS 826.....	95	PS 2026.....	138
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PS 200 2T2.....	31	PS 600 J.....	134	PS 694.....	120	PS 854.....	65	PS 2033.....	136
PS 200 2T3.....	30	PS 601.....	62	PS 700 J.....	135	PS 855.....	102	PS 2034.....	136
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PS 200 H.....	28	PS 607.....	68	PS 707.....	119	PS 901.....	115, 130	PS 2112.....	65
PS 200 H3.....	28	PS 609.....	74	PS 707 P.....	119	PS 902.....	115	PS 2113.....	71
PS 200 K06.....	28	PS 611.....	74	PS 708.....	94	PS 907.....	103	PS 2117 R or L.....	79
PS 200 PLA.....	34	PS 612.....	74	PS 709.....	77	PS 913.....	81	PS 2119.....	76
PS 200 PLB.....	34	PS 613.....	75	PS 710.....	76	PS 916.....	104	PS 2128 R or L.....	80
PS 200 PLC.....	34	PS 614.....	68	PS 711.....	74	PS 921.....	65	PS 2129 R or L.....	80
PS 200 S.....	28	PS 615.....	68	PS 712.....	64	PS 922 R or L.....	79	PS 2144.....	66
PS 200 SB.....	28	PS 616.....	78	PS 713.....	69	PS 923.....	81	PS 2190.....	64
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PS 205.....	60	PS 620.....	63	PS 718.....	63	PS 928.....	74	PS 2422.....	96
PS 209.....	57	PS 621.....	63	PS 719.....	63	PS 929.....	76	PS 2504.....	62
PS 210.....	36	PS 622.....	69	PS 720 R or L.....	68	PS 930.....	115	PS 2511.....	115
PS 210 2T3.....	38	PS 623.....	78	PS 721.....	76	PS 942.....	120	PS 2514.....	82
PS 210 EH.....	36	PS 624.....	70	PS 722.....	125	PS 943.....	80	PS 2520.....	66
PS 210 H.....	36	PS 626.....	94	PS 723.....	124	PS 945.....	81	PS 2521.....	83
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PS 2528	84	PS 2632	116	PS 2803	122	PS 3281	60	PS 9401	71
PS 2528 -1	84	PS 2632 D	116	PS 3013	82	PS 3282	95	PS 9402	72
PS 2532	75	PS 2636	118	PS 3013 SQ	82	PS 3301	117	PS 9403	72
PS 2545	67	PS 2637	118	PS 3017	136	PS 3326 R or L	70	PS 9404	72
PS 2560	115	PS 2639	121	PS 3025	82	PS 3373	68	PS 004M-038 M	91
PS 2561	115	PS 2640	115	PS 3025 FL	82	PS 3500	58	PS 004T-106N	90
PS 2580	115	PS 2648	75	PS 3029	83	PS 3792	54,88	PS 285N	131
PS 2581	115	PS 2651	102	PS 3033	82	PS 4017	136	PS LS	59
PS 2582	120	PS 2653	103	PS 3033 SQ	82	PS 6024	57	PS NS	59
PS 2585	115	PS 2654	106	PS 3040	82	PS 6064	58	PS NS S	59
PS 2601	73	PS 2654 A	106	PS 3041	83	PS 6072	57	PS RS	59
PS 2622	104	PS 2656	102	PS 3049	67	PS 6075	57	PS SS	59
PS 2623	105	PS 2657	102	PS 3060	75	PS 6108	57	PS TG	60
PS 2624	105	PS 2660	120	PS 3064	83	PS 6112	57	PS UB1/2-UB 10	91
PS 2625	116	PS 2661	120	PS 3101 thru 3115	92	PS 6151	130		
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20P/V-2510 thru 20P/V-2526	155	50PU-2616	154
20P/V-2528 thru 20P/V-2541	156	50PU-2636	157
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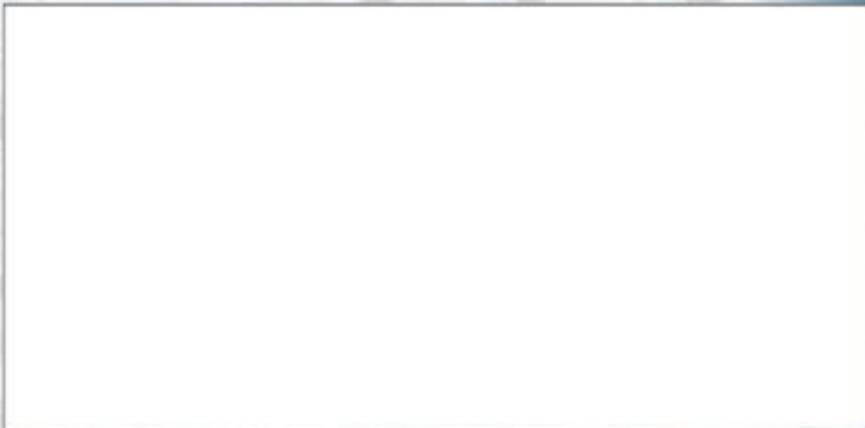
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