

Robexstrut

**Your Versatile
Support Solution**



Supporting Electrical systems, pipes, and
mechanical structures, shelving, and equipment racks.

About Robexstrut

Robexstrut* is the latest innovation from *Robust Special Metals*, designed to redefine the way support systems are built and maintained. Our product offers a revolutionary weldless connection technology, making it the go-to solution for industries requiring versatile, durable, and easily adjustable strut systems.

At *Robexstrut*, we cater to the unique needs of sectors like Chemical, Pharmaceutical, Aerospace, Heavy Engineering, and Oil & Gas, where reliability and adaptability are critical. Our struts are crafted from high-quality materials, including Stainless Steel, High Nickel Alloys, and Special Alloys, ensuring they stand up to the toughest environments and applications.

What sets *Robexstrut* apart is our commitment to efficiency. Our adjustable and reusable designs not only reduce installation time but also minimize the cost of future adjustments or expansions. Whether it's a complex industrial project or a large-scale infrastructure setup, *Robexstrut* delivers unmatched flexibility, superior quality, and cost-effectiveness.

With a focus on innovation, quality, and customer satisfaction, *Robexstrut* is dedicated to empowering businesses with the tools they need to build better, faster, and more sustainably.

Our Mission

At *Robexstrut, we are on a mission to transform the landscape of structural support systems with our innovative **strut channel technology*.

Our Mission

We envision a world where structural challenges are solved with ease, where our products set the benchmark for *reliability, sustainability, and efficiency* across all industries.



Quality Assurance



At *Robexstrut*, quality is our top priority. All stainless steel products are manufactured to the highest standards, ensuring:

Corrosion Resistance: Our stainless steel struts are engineered to resist rust and corrosion, even in the harshest environments.

Strength & Durability: Built to handle high loads and provide long-lasting support.

Precision Engineering*: Every product undergoes strict quality control to ensure it meets industry specifications and customer requirements.

*Whether you need standard or customized solutions, *Robexstrut Stainless Steel* products deliver exceptional quality, versatility, and reliability across a wide range of industries.*



Features & Benefits

- **Versatility:** Ideal for electrical, plumbing, HVAC, solar, and structural support.
- **Easy Installation*:** Quick assembly without specialized tools.
- **Reusability*:** Adjustable and reusable, reducing waste and costs.
- **Customization*:** Slots allow for easy adjustments with nuts, bolts, and fittings.
- **Corrosion Resistance*:** Fiberglass options ensure high resistance to corrosion.
- **Lightweight Strength*:** Fiberglass offers strength and rigidity without extra weight.

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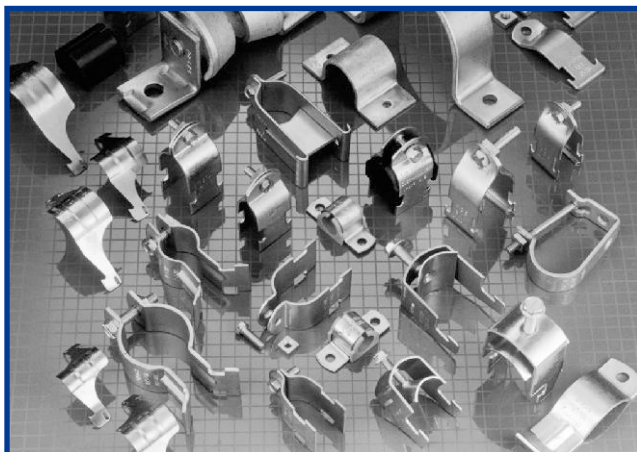
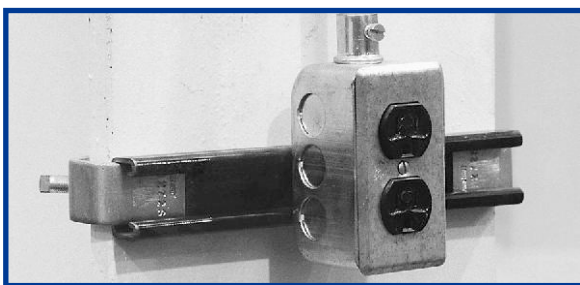
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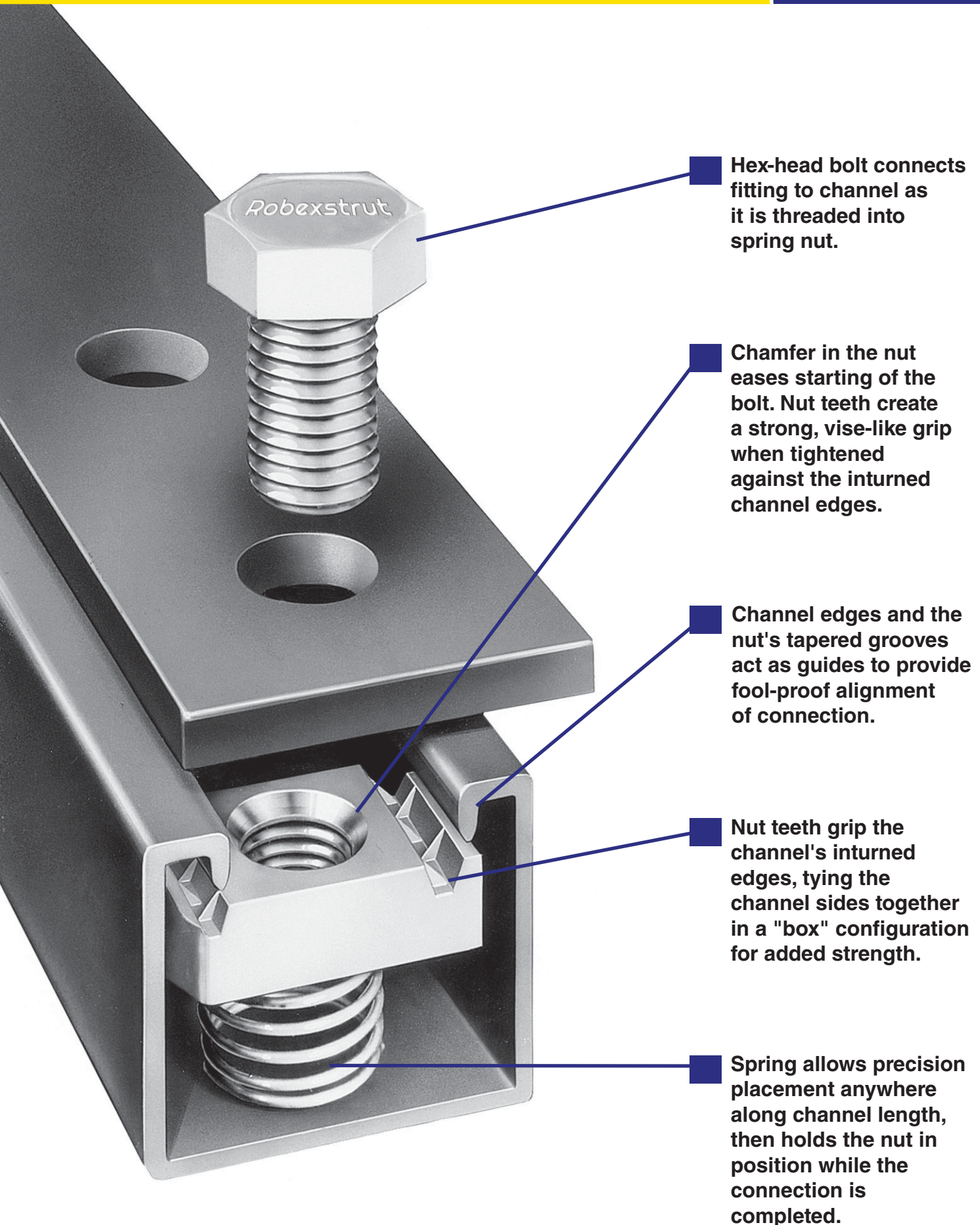
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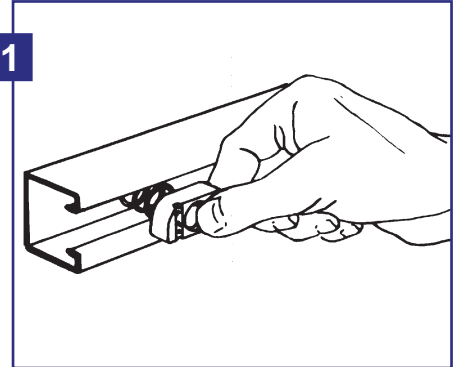
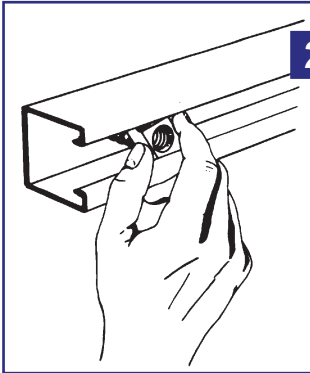
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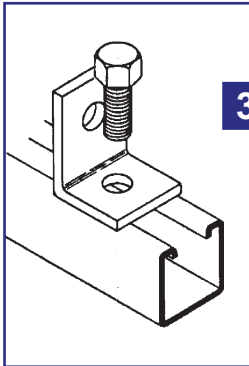
Strong, Fast, Economical and Adjustable

Insert the spring nut anywhere along the continuous slotted channel. The rounded nut ends permit easy insertion.

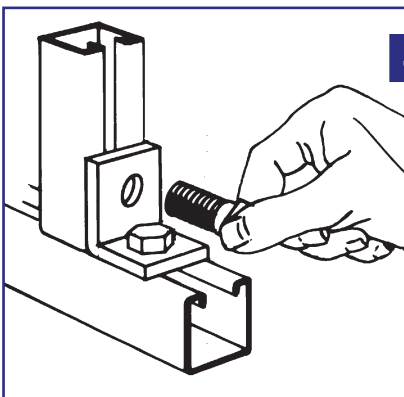
1**2**

A 90° clockwise turn aligns the grooves in the nut with the inturned edges of the channel.

Fittings can be placed anywhere along the channel opening, permitting complete freedom of adjustment. The need for drilling holes is eliminated.

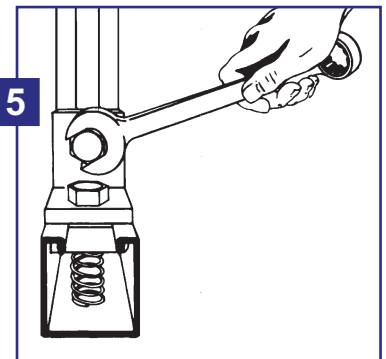
3

Insert the bolt through the fitting and into the spring nut. (See illustration 5 for end view showing the nut in place)

4

Additional channel sections can now be bolted to the fitting already in place by following procedure described in steps 1–3.

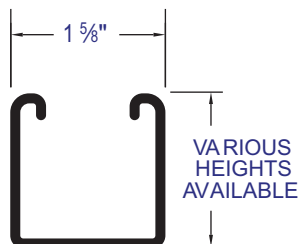
Tightening with a wrench locks the serrated teeth of the nut into the inturned edges of the channel, to complete a strong, vise-like connection.

5

- 100% Adjustable
- 100% Reusable
- No Welding
- No Drilling
- No Special Tools

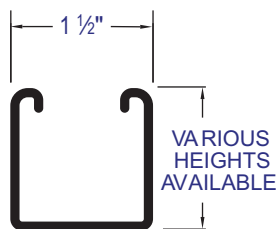
The Most Complete Metal Framing System - Four Channel-Width Options

Adjustability, demountability and reusability are engineered into each of the four Robexstrut channel series. Each series offers channels of varying depth and gage plus a complete line of fittings and accessories.



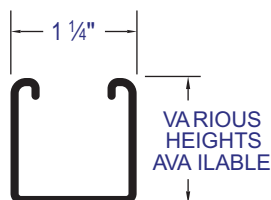
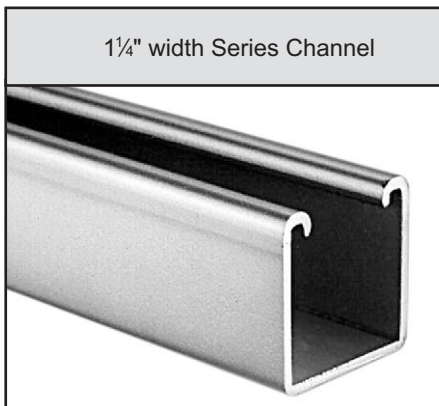
1 5/8" (41 3 mm) width

Designed to carry the heaviest loads and provide the widest variety of applications, the 1 5/8" series has become the accepted standard for use in mechanical, electrical and general construction applications where supports and attachments must meet the highest strength requirements.



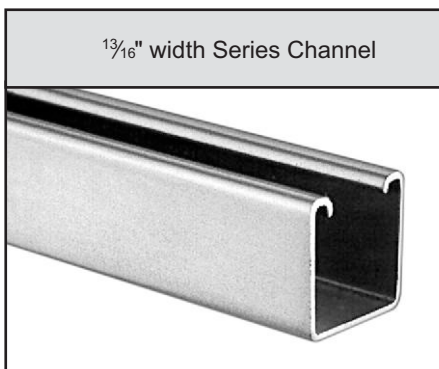
1 1/2" (38 1 mm) width

A framing system designed for medium to heavy loads, the 1 1/2" series offers hole spacing and fittings where all parts fit together, no matter where they're used, or at what angle.



1 1/4" (31 8 mm) width

A framing system designed for medium loads, the 1 1/4" series is especially suitable for use in the OEM, commercial and display markets. It maintains a lightness in scale and a clean line that makes it aesthetically pleasing as well as functional.



1 3/16" (20 6 mm) width

A unique half-size reduction of the 1 5/8" channel-width series, this smaller channel size can be used to carry light loads economically in applications such as instrumentation, retail displays and light-duty laboratory supports. It also provides the flexibility found in all Robexstrut framing systems.

MATERIAL**Framing Members**

Robexstrut channels and continuous inserts are accurately and carefully cold-formed to size from low carbon strip steel. One side of the channel has a continuous slot with inturned edges. Secure attachments may be made to the framing member with the use of hardened, toothed, slotted nuts which engage the inturned edges.

Raw steel shall conform to the following ASTM specifications:

GAGE	FINISH	ASTM NO.
12	GR & HG	A1011 SS GR 33
	PG	A653 GR 33
14	GR & HG	A1011 SS GR 33
	PG	A653 GR 33
16	GR & HG	A1011 SS GR 33
	PG	A653 GR 33
19	GR	A1008

Nuts and Bolts

Robexstrut nuts are made from steel bars. After all machining operations are complete, they are thoroughly case hardened. Nuts are rectangular with ends shaped to permit a quarter turn clockwise in the framing member after insertion through the slotted opening in the channel. Two toothed grooves in the top of the nut engage the inturned edges of the channel and, after bolting operations are completed, will prevent any movement of the bolt and nut within the framing member.

All bolts and nuts have Unified coarse screw threads. The standard framing nut is $\frac{1}{2}$ " and conforms to ASTM A576 GR 1015 modified and A1011 SS GR 45. Screws conform to SAE J429 GR 2.

Fittings

Robexstrut fittings, unless noted otherwise, are punch-press made from hot rolled, pickled and oiled steel plates, strip or coil, and conform to ASTM specifications A575, A576, A635 or A36. The fitting steel also meets the physical requirement of ASTM A1011 SS GR 33. The pickling of the steel produces a smooth surface free from scale.

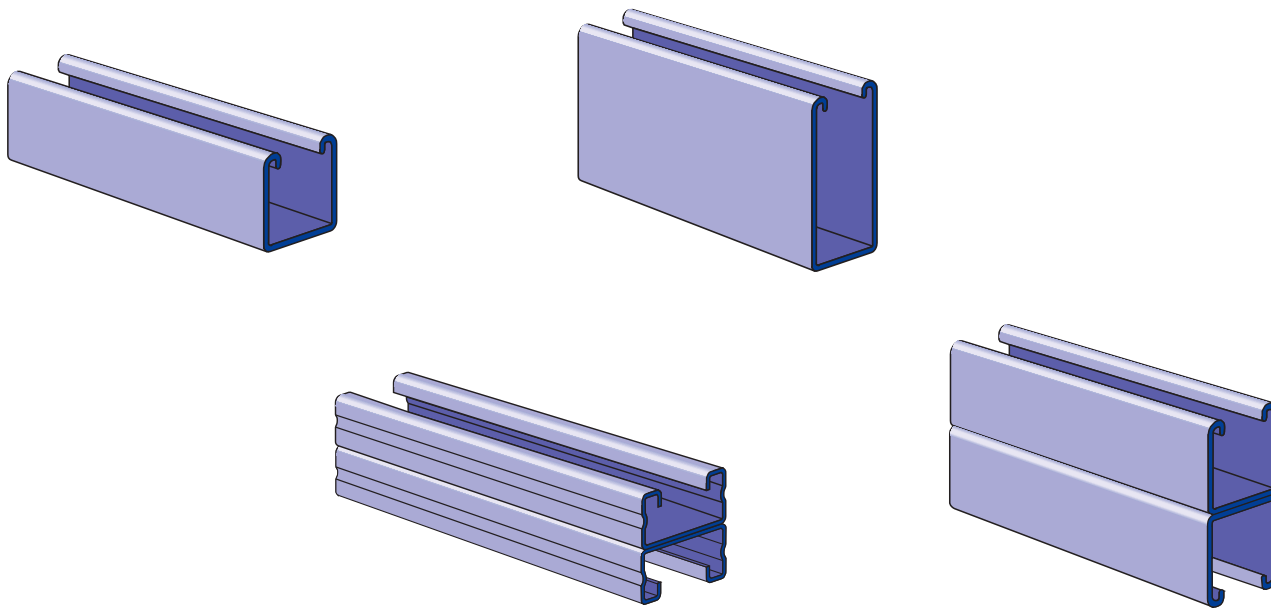
WEIGHT AND DIMENSIONS

Weights given for all materials are approximate shipping weights. All dimensions are subject to commercial tolerance within published specifications.

WE RESERVE THE RIGHT TO MAKE SPECIFICATION CHANGES WITHOUT NOTICE.

WHILE EVERY EFFORT HAS BEEN MADE TO ASSURE THE ACCURACY OF INFORMATION CONTAINED IN THIS CATALOG AT THE TIME OF PUBLICATION, WE CANNOT ACCEPT RESPONSIBILITY FOR INACCURACIES RESULTING FROM UNDETECTED ERRORS OR OMISSIONS.

THE BLUE COLOR USED ON Robexstrut COMPONENTS ILLUSTRATED IN THIS CATALOG IS FOR GRAPHIC ENHANCEMENT ONLY, AND DOES NOT REPRESENT ACTUAL PRODUCT COLOR



MATERIAL

Robexstrut channels are accurately and carefully cold formed to size from low-carbon strip steel.

All spot-welded combination members, except P1001T, are welded 3" (76 mm) maximum on center.

STEEL: PLAIN

12 Ga. (2.7 mm), 14 Ga. (1.9 mm) and
16 Ga. (1.5 mm) ASTM A1011 SS GR 33

STEEL: PRE-GALVANIZED

12 Ga. (2.7 mm), 14 Ga. (1.9 mm) and
16 Ga. (1.5 mm) ASTM A653 GR 33

For other materials, see Special Metals or
Fiberglass sections.

FINISHES

All channels are available in:

- Perma Green III (GR)
- Pre-galvanized (PG), conforming to ASTM A653 G90
- Hot-dipped galvanized (HG), conforming to ASTM A123
- Plain (PL)
- Robexstrut Defender™ (DF), conforming to ASTM A1046

DIMENSIONS

Imperial dimensions are illustrated in inches. Metric dimensions are shown in millimeters and rounded to one decimal place.

STANDARD LENGTHS

Standard lengths are 10 feet (3.05m) and 20 feet (6.10m). Tolerances are $\pm 1/8$ " (3 mm). Special lengths are available for a small cutting charge with a tolerance of $\pm 1/8$ " (3 mm).

CURVED CHANNEL

Contact your local Robexstrut Service Center or Robexstrut Corporation for more information.

LOAD DATA

All beam and column load data pertains to carbon steel and stainless steel channels. Load tables and charts are constructed to be in accordance with the SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS 2007 EDITION published by the AMERICAN IRON AND STEEL INSTITUTE USING ASD METHOD. Loads are based on 33 ksi steel cold formed to 42 ksi.

Type of Load	Safety Factor to Yield Strength
Beam Loads	1.67
Column Load	1.80

1 5/8" System

Telestrut

Nuts & Hardware

General Fittings

pipe/Conduit Support

Concrete Inserts

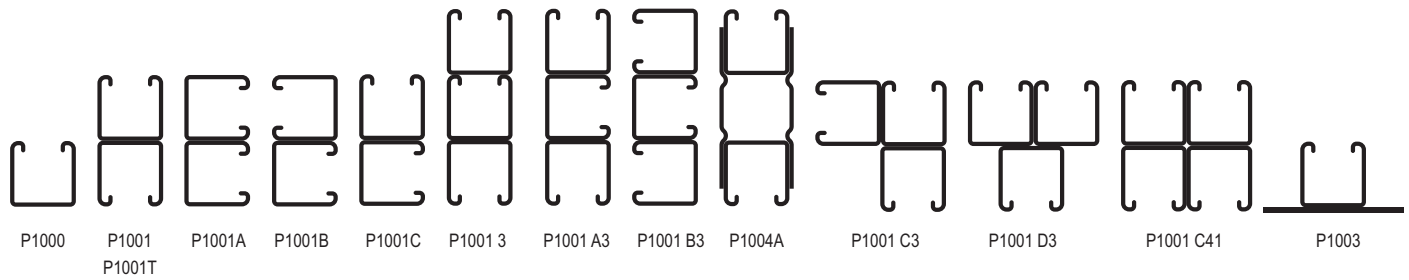
Solar

1 1/4" System

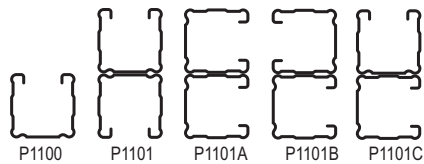
13/16" System

Special Metals

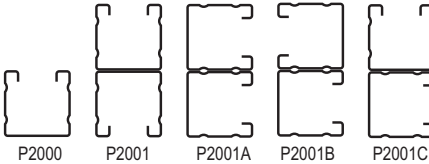
P1000 Series (12 ga.)



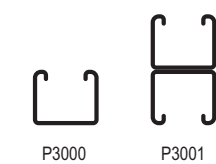
P1100 Series (14 ga.)



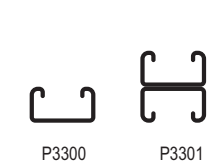
P2000 Series (16 ga.)



P3000 Series (12 ga.)



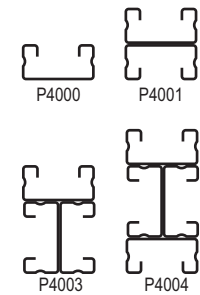
P3300 Series (12 ga.)



P4100 Series (14 ga.)



P4000 Series (16 ga.)



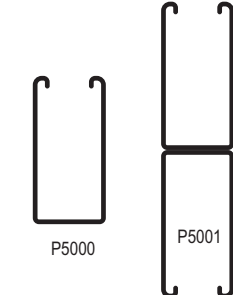
P4400 Series (12 ga.)



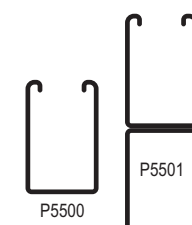
P4520 Series (12 ga.)



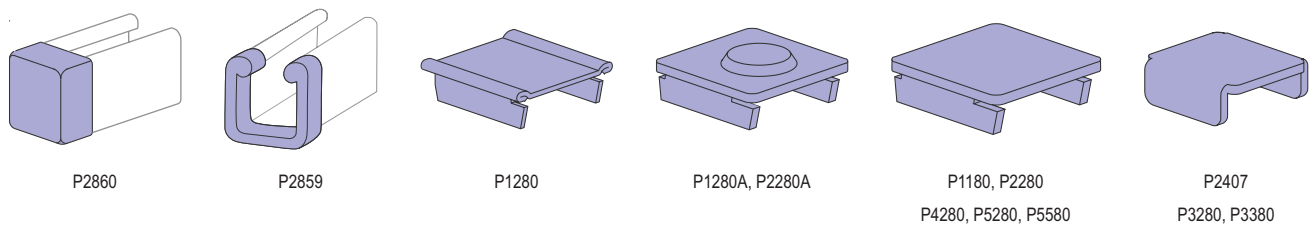
P5000 Series (12 ga.)



P5500 Series (12 ga.)

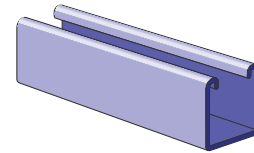
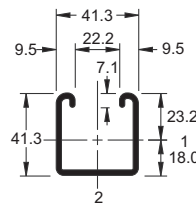
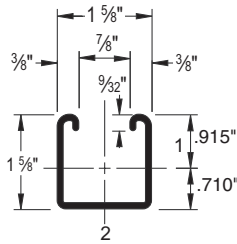


End Caps and Frame Caps



P1000®

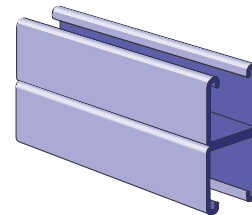
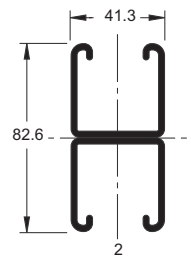
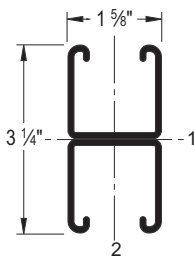
DF GR HG PG PI



Wt/100 Ft: 189 Lbs (281 kg/100 m)
Allowable Moment 5,070 In-Lbs (570 N·m)
12 Gauge Nominal Thickness .105" (2.7mm)

P1001

DF GR HG PG PI



Wt/100 Ft: 378 Lbs (562 kg/100 m)
Allowable Moment 14,360 In-Lbs (1,620 N·m)
12 Gauge Nominal Thickness .105" (2.7mm)

P1000 DS

P1000 H3

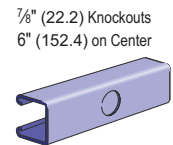
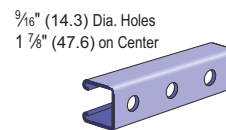
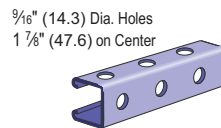
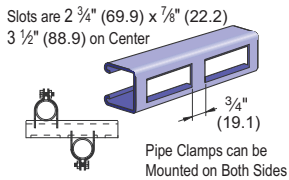
GR HG PG PI

P1000 HS

GR HG PG PI

P1000 KO

GR PG



Wt/100 Ft: 173 Lbs (257 kg/100 m)

Wt/100 Ft: 175 Lbs (260 kg/100 m)

Wt/100 Ft: 190 Lbs (283 kg/100 m)

Wt/100 Ft: 185 Lbs (275 kg/100 m)

P1000 SI

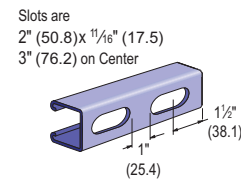
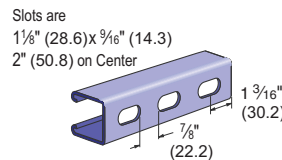
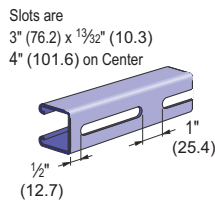
GR HG PG PI

P1000 T

DF GR HG PG PI

P1000 WT

DF GR HG PG PI

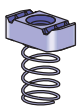


Wt/100 Ft: 185 Lbs (275 kg/100 m)

Wt/100 Ft: 185 Lbs (275 kg/100 m)

Wt/100 Ft: 185 Lbs (275 kg/100 m)

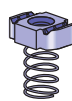
CHANNEL NUTS



P1006-0832
P1006-1024
P1006-1420
P1007
P1008
P1009
P1010



P1008T
P1006T1420
P1010T



P1024
P1012S
P1023S



P1012
P1023
P1024S



P3006-0832
P3006-1024
P3006-1420
P3007
P3008
P3009
P3010

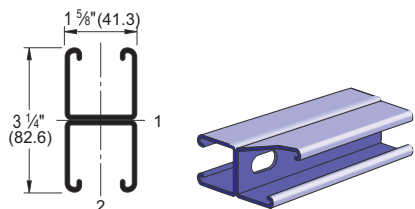


P3016-0632
P3016-0832
P3016-1024
P3016-1420

Channel Finishes: DF, PL, GR, HG, PG, ZD; Standard Lengths: 10' & 20'

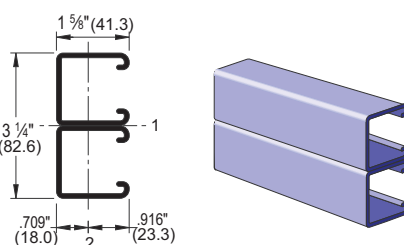
P1001 T

DF GR PG



Wt/100 Ft: 321 Lbs (478 kg/100 m)
Allowable Moment 12,200 In-Lbs (1,378 N·m)
12 Gauge Nominal Thickness .105" (2.7mm)

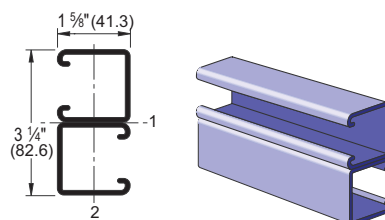
P1001 A



Wt/100 Ft: 378 Lbs (562 kg/100 m)
Allowable Moment 18,640 In-Lbs (2,110 N·m)
12 Gauge Nominal Thickness .105" (2.7mm)

P1001 B

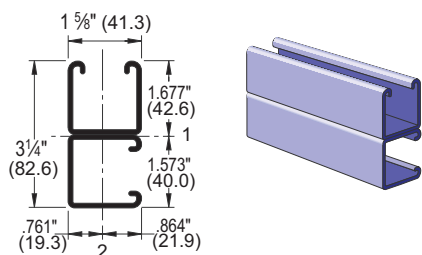
GR PG



Wt/100 Ft: 378 Lbs (562 kg/100 m)
Allowable Moment 18,640 In-Lbs (2,110 N·m)
12 Gauge Nominal Thickness .105" (2.7mm)

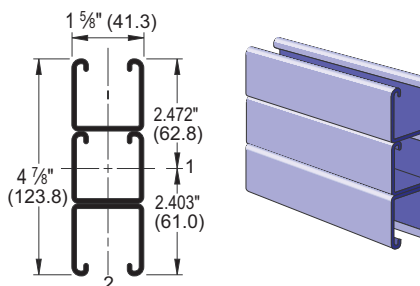
P1001 C

GR PG



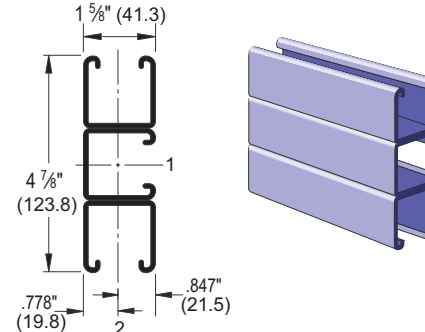
Wt/100 Ft: 378 Lbs (562 kg/100 m)
Allowable Moment 15,950 In-Lbs (1,800 N·m)
12 Gauge Nominal Thickness .105" (2.7mm)

P1001 3



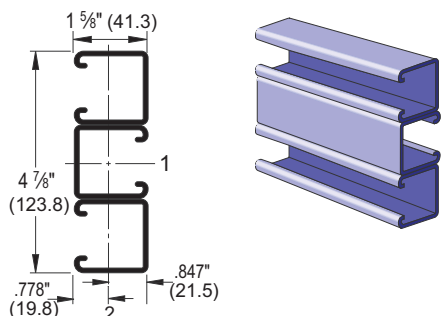
Wt/100 Ft: 566 Lbs (843 kg/100 m)
Allowable Moment 31,840 In-Lbs (3,600 N·m)
12 Gauge Nominal Thickness .105" (2.7mm)

P1001 A3



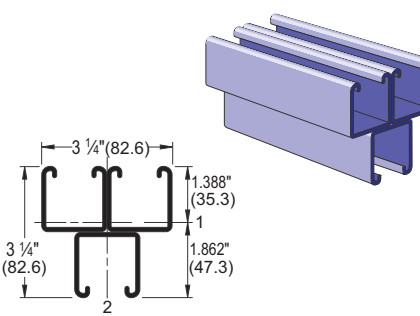
Wt/100 Ft: 566 Lbs (843 kg/100 m)
Allowable Moment 32,770 In-Lbs (3,700 N·m)
12 Gauge Nominal Thickness .105" (2.7mm)

P1001 B3



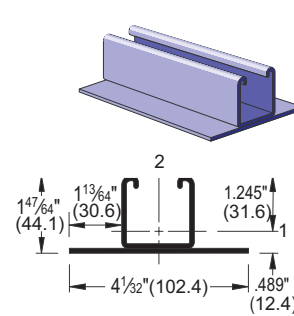
Wt/100 Ft: 566 Lbs (843 kg/100 m)
Allowable Moment 37,550 In-Lbs (4,240 N·m)
12 Gauge Nominal Thickness .105" (2.7mm)

P1001 D3



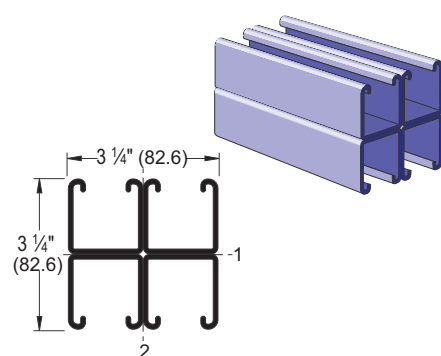
Wt/100 Ft: 566 Lbs (843 kg/100 m)
Allowable Moment 17,550 In-Lbs (1,980 N·m)
12 Gauge Nominal Thickness .105" (2.7mm)

P1003



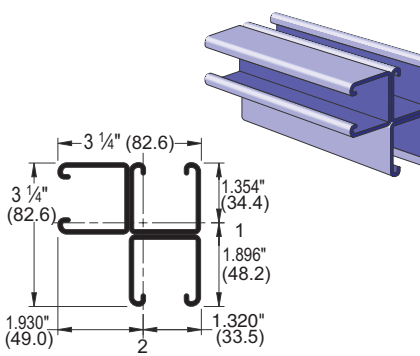
Wt/100 Ft: 333 Lbs (495 kg/100 m)
Allowable Moment 6,240 In-Lbs (700 N·m)
12 Gauge Nominal Thickness .105" (2.7mm)

P1001 C41



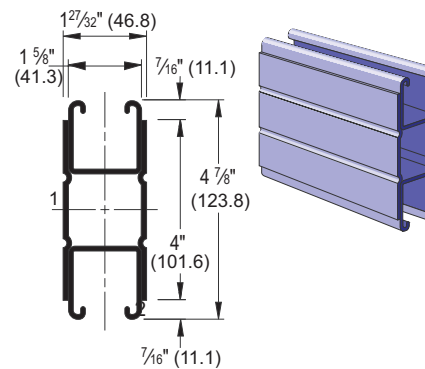
Wt/100 Ft: 755 Lbs (1,124 kg/100 m)
Allowable Moment 28,720 In-Lbs (3,250 N·m)
12 Gauge Nominal Thickness .105" (2.7mm)

P1001 C3



Wt/100 Ft: 566 Lbs (843 kg/100 m)
Allowable Moment 18,680 In-Lbs (2,110 N·m)
12 Gauge Nominal Thickness .105" (2.7mm)

P1004 A

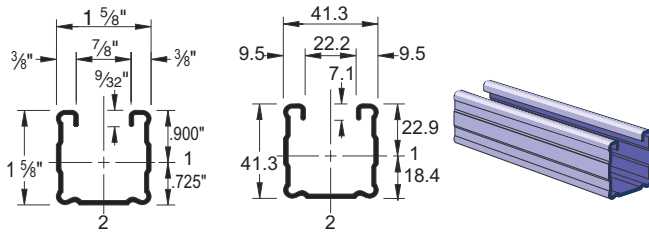


Wt/100 Ft: 668 Lbs (994 kg/100 m)
Allowable Moment 41,970 In-Lbs (4,740 N·m)
12 Gauge Nominal Thickness .105" (2.7mm)

Channel Finishes: DF, PL, GR, HG, PG, ZD; Standard Lengths: 10' & 20'

P1100

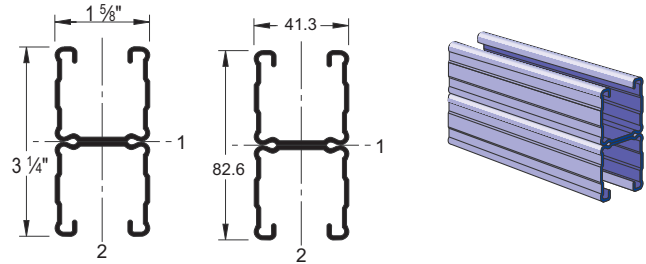
GR PG



Wt/100 Ft: 142 Lbs (211 kg/100 m)
Allowable Moment 4,060 In-Lbs (460 N•m)
14 Gauge Nominal Thickness .075" (1.9mm)

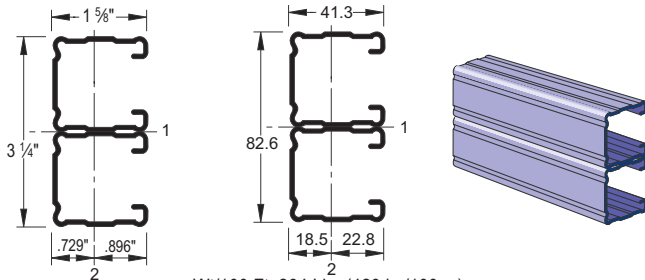
P1101

GR PG



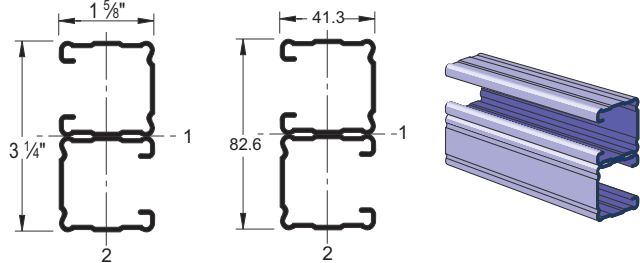
Wt/100 Ft: 284 Lbs (423 kg/100 m)
Allowable Moment 11,340 In-Lbs (1,280 N•m)
14 Gauge Nominal Thickness .075" (1.9mm)

P1101 A



Wt/100 Ft: 284 Lbs (423 kg/100 m)
Allowable Moment 14,000 In-Lbs (1,580 N•m)
14 Gauge Nominal Thickness .075" (1.9mm)

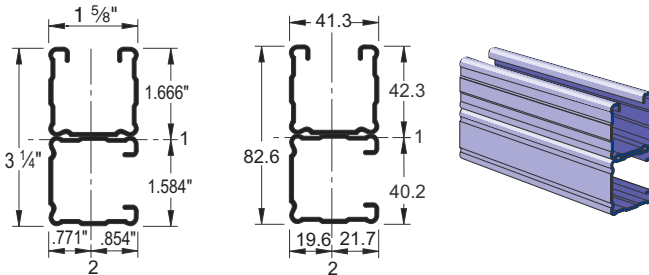
P1101 B



Wt/100 Ft: 284 Lbs (423 kg/100 m)
Allowable Moment 14,000 In-Lbs (1,580 N•m)
14 Gauge Nominal Thickness .075" (1.9mm)

P1101 C

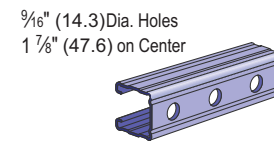
GR PG



Wt/100 Ft: 284 Lbs (423 kg/100 m)
Allowable Moment 12,330 In-Lbs (1,390 N•m)
14 Gauge Nominal Thickness .075" (1.9mm)

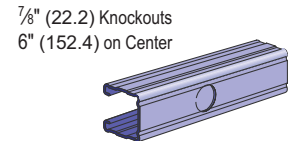
P1100 HS

GR PG



P1100 KO

GR PG



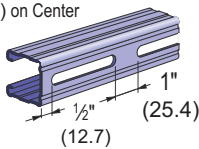
Wt/100 Ft: 136 Lbs (202 kg/100 m)

Wt/100 Ft: 140 Lbs (208 kg/100 m)

P1100 SI

GR PG

Slots are
3" (76.2) x 1 1/2" (10.3)
4" (101.6) on Center

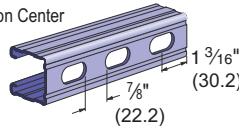


Wt/100 Ft: 136 Lbs (202 kg/100 m)

P1100 T

GR PG

Slots are
1 1/8" (28.6) x 9/16" (14.3)
2" (50.8) on Center

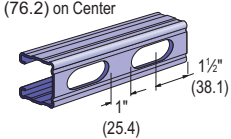


Wt/100 Ft: 136 Lbs (202 kg/100 m)

P1100 WT

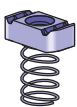
DF GR HG PG PI

Slots are
2" (50.8) x 1 1/4" (17.5)
3" (76.2) on Center



Wt/100 Ft: 136 Lbs (202 kg/100 m)

CHANNEL NUTS



P1006-0832
P1006-1024
P1006-1420
P1007
P1008
P1009
P1010



P1008T
P1006T1420
P1010T



P1024
P1012S
P1023S



P1012
P1023
P1024S



P3006-0832
P3006-1024
P3006-1420
P3007
P3008
P3009

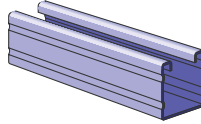
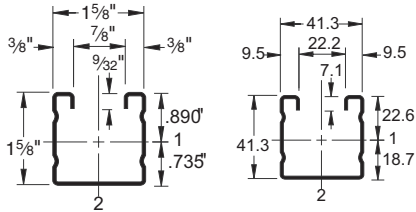


P3016-0632
P3016-0832
P3016-1024
P3016-1420

Channel Finishes: DF, PL, GR, HG, PG, ZD; Standard Lengths: 10' & 20'

P2000

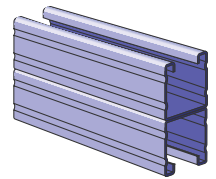
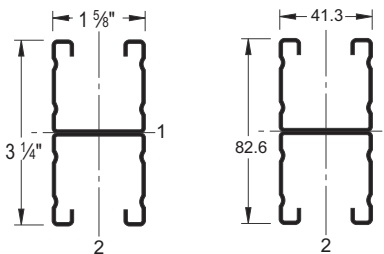
GR PG



Wt/100 Ft: 116 Lbs (173 kg/100 m)
Allowable Moment 3,520 In-Lbs (400 N•m)
16 Gauge Nominal Thickness .060" (1.5mm)

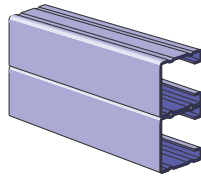
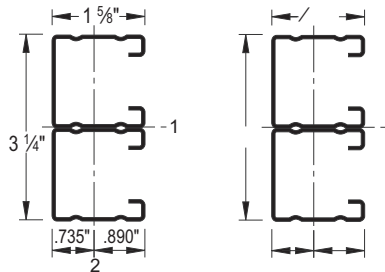
P2001

GR PG



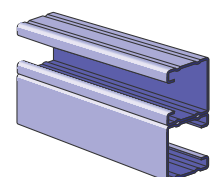
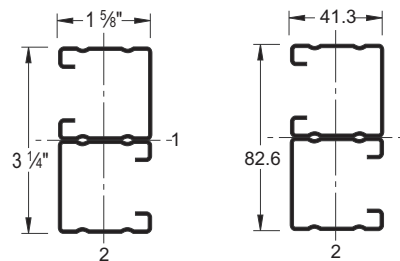
Wt/100 Ft: 232 Lbs (346 kg/100 m)
Allowable Moment 9,570 In-Lbs (1,080 N•m)
16 Gauge Nominal Thickness .060" (1.5mm)

P2001 A



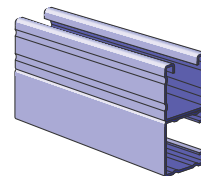
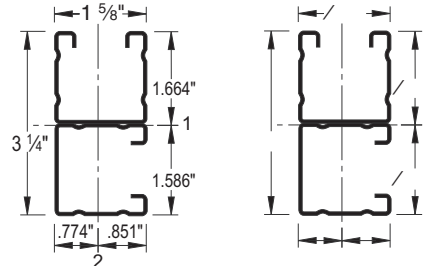
Wt/100 Ft: 232 Lbs (346 kg/100 m)
Allowable Moment 11,660 In-Lbs (1,320 N•m)
16 Gauge Nominal Thickness .060" (1.5mm)

P2001 B



Wt/100 Ft: 232 Lbs (346 kg/100 m)
Allowable Moment 11,660 In-Lbs (1,320 N•m)
16 Gauge Nominal Thickness .060" (1.5mm)

P2001 C



Wt/100 Ft: 232 Lbs (346 kg/100 m)
Allowable Moment 10,350 In-Lbs (1,170 N•m)
16 Gauge Nominal Thickness .060" (1.5mm)

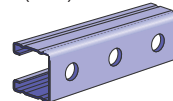
P2000 HS

GR PG

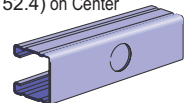
P2000 KO

GR PG

9/16" (14.3) Dia. Holes
1 7/8" (47.6) on Center



7/8" (22.2) Knockouts
6" (152.4) on Center



Wt/100 Ft: 113 Lbs (168 kg/100 m)

Wt/100 Ft: 117 Lbs (174 kg/100 m)

P2000 SI

GR PG

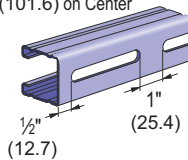
P2000 T

GR PG

P2000 WT

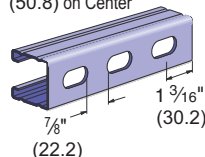
DF GR HG PG PI

Slots are
3" (76.2) x 1 1/2" (10.3)
4" (101.6) on Center



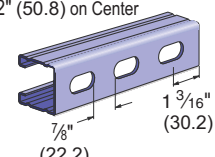
Wt/100 Ft: 113 Lbs (168 kg/100 m)

Slots are
1 1/8" (28.6) x 9/16" (14.3)
2" (50.8) on Center



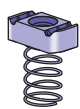
Wt/100 Ft: 113 Lbs (168 kg/100 m)

Slots are
1 1/8" (28.6) x 9/16" (14.3)
2" (50.8) on Center



Wt/100 Ft: 113 Lbs (168 kg/100 m)

CHANNEL NUTS



P1006-0832
P1006-1024
P1006-1420
P1007
P1008
P1009
P1010



P1008T
P1006T1420
P1010T



P1024
P1012S
P1023S



P1012
P1023
P1024S



P3006-0832
P3006-1024
P3006-1420
P3007
P3008
P3009
P3010

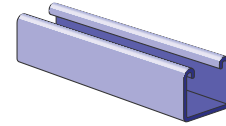
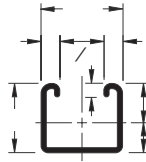
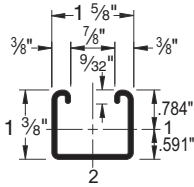


P3016-0632
P3016-0832
P3016-1024
P3016-1420

Channel Finishes: PL, GR, HG, PG, ZD; Standard Lengths: 10' & 20'

P3000

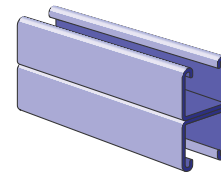
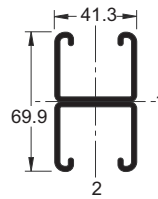
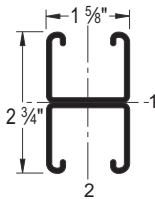
GR PG



Wt/100 Ft: 170 Lbs (253 kg/100 m)
Allowable Moment 3,840 In-Lbs (430 N•m)
12 Gauge Nominal Thickness .105" (2.7mm)

P3001

GR PG

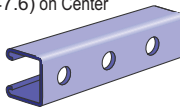


Wt/100 Ft: 340 Lbs (506 kg/100 m)
Allowable Moment 10,810 In-Lbs (1,220 N•m)
12 Gauge Nominal Thickness .105" (2.7mm)

P3000 HS

GR PG

9/16" (14.3) Dia. Holes
1 7/8" (47.6) on Center

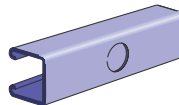


Wt/100 Ft: 165 Lbs (246 kg/100 m)

P3000 KO

GR PG

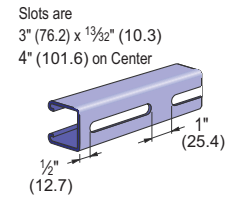
7/8" (22.2) Knockouts
6" (152.4) on Center



Wt/100 Ft: 170 Lbs (253 kg/100 m)

P3000 SI

GR PG

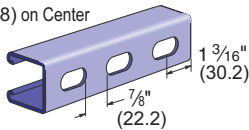


Wt/100 Ft: 165 Lbs (246 kg/100 m)

P3000 T

GR PG

Slots are
1 1/8" (28.6) x 9/16" (14.3)
2" (50.8) on Center

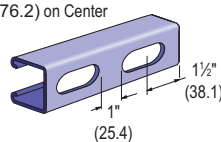


Wt/100 Ft: 165 Lbs (246 kg/100 m)

P3000 WT

DF GR HG PG PI

Slots are
2" (50.8) x 1 1/16" (17.5)
3" (76.2) on Center



Wt/100 Ft: 165 Lbs (246 kg/100 m)

CHANNEL NUTS



P1006-0832
P1006-1024
P1006-1420
P1007
P1008
P1009
P1010



P1008T
P1006T1420
P1010T



P1024
P1012S
P1023S



P1012
P1023
P1024S



P3006-0832
P3006-1024
P3006-1420
P3007
P3008
P3009
P3010

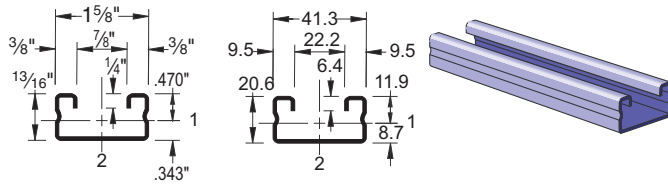


P3016-0632
P3016-0832
P3016-1024
P3016-1420

Channel Finishes: PL, GR, HG, PG, ZD; Standard Lengths: 10' & 20'

P4000

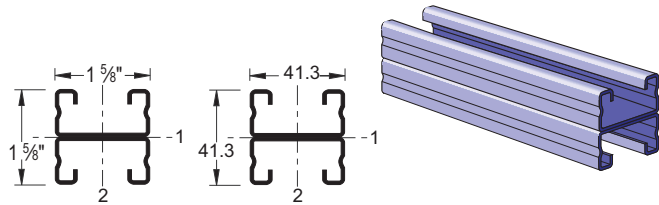
HG PG GR



Wt/100 Ft: 83 Lbs (123 kg/100 m)
Allowable Moment 1,230 In-Lbs (140 N•m)
16 Gauge Nominal Thickness .060" (1.5mm)

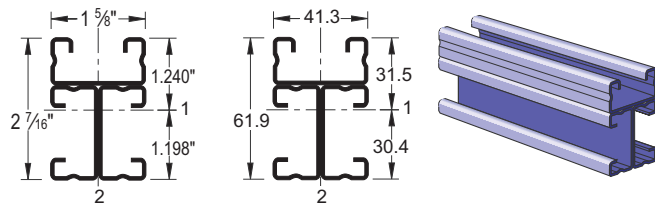
P4001

GR PG



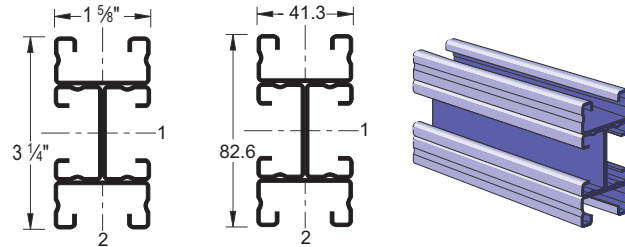
Wt/100 Ft: 166 Lbs (246 kg/100 m)
Allowable Moment 3,210 In-Lbs (360 N•m)
16 Gauge Nominal Thickness .060" (1.5mm)

P4003



Wt/100 Ft: 248 Lbs (370 kg/100 m)
Allowable Moment 8,600 In-Lbs (970 N•m)
16 Gauge Nominal Thickness .060" (1.5mm)

P4004

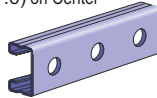


Wt/100 Ft: 331 Lbs (493 kg/100 m)
Allowable Moment 13,650 In-Lbs (1,540 N•m)
16 Gauge Nominal Thickness .060" (1.5mm)

P4000 HS

GR PG

9/16" (14.3) Dia. Holes
1 7/8" (47.6) on Center

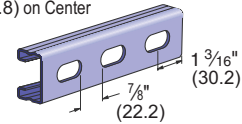


Wt/100 Ft: 79 Lbs (118 kg/100 m)

P4000 T

GR PG

Slots are
1 1/8" (28.6)x 9/16" (14.3)
2" (50.8) on Center

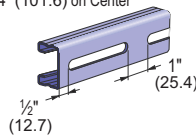


Wt/100 Ft: 79 Lbs (118 kg/100 m)

P4000 SI

GR PG

Slots are
3" (76.2) x 1 1/2" (10.3)
4" (101.6) on Center

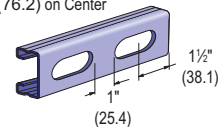


Wt/100 Ft: 79 Lbs (118 kg/100 m)

P4000 WT

DF GR HG PG PI

Slots are
2" (50.8)x 1 1/16" (17.5)
3" (76.2) on Center



Wt/100 Ft: 79 Lbs (118 kg/100 m)

CHANNEL NUTS



P4006-0832
P4006-1024
P4006-1420
P4007
P4008
P4009
P4010



P4010T



P4012
P4023



P3006-0832
P3006-1024
P3006-1420
P3007
P3008
P3009
P3013

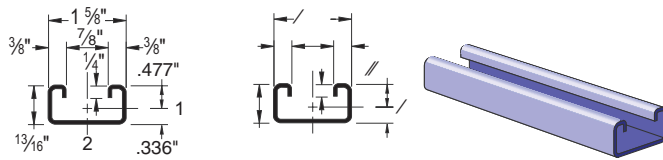


P3016-0632
P3016-0832
P3016-1024
P3016-1420

Channel Finishes: PL, GR, HG, PG, ZD; Standard Lengths: 10' & 20'

P4100

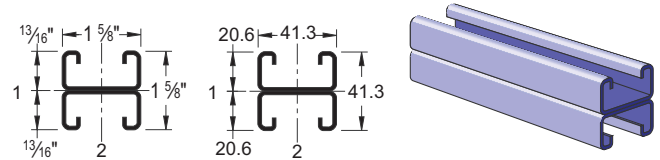
DF GR PG



Wt/100 Ft: 98 Lbs (147 kg/100 m)
Allowable Moment 1,360 In-Lbs (150 N•m)
14 Gauge Nominal Thickness .075" (1.9mm)

P4101

DF GR PG

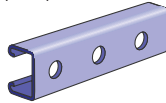


Wt/100 Ft: 197 Lbs (293 kg/100 m)
Allowable Moment 3,610 In-Lbs (410 N•m)
14 Gauge Nominal Thickness .075" (1.9mm)

P4100 HS

GR PG

9/16" (14.3) Dia. Holes
1 7/8" (47.6) on Center

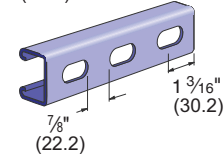


Wt/100 Ft: 87 Lbs (129 kg/100 m)

P4100 T

DF GR PG

Slots are
1 1/8" (28.6)x 9/16" (14.3)
2" (50.8) on Center

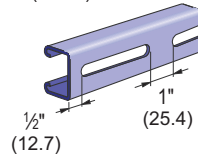


Wt/100 Ft: 87 Lbs (129 kg/100 m)

P4100 SI

GR PG

Slots are
3" (76.2) x 1 3/32" (10.3)
4" (101.6) on Center

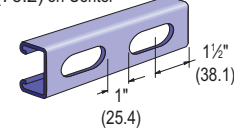


Wt/100 Ft: 87 Lbs (129 kg/100 m)

P4100 WT

DF GR HG PG PI

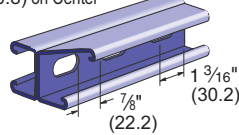
Slots are
2" (50.8) x 1 1/16" (17.5)
3" (76.2) on Center



Wt/100 Ft: 87 Lbs (129 kg/100 m)

P4101 T

Slots are
1 1/8" (28.6)x 9/16" (14.3)
2" (50.8) on Center

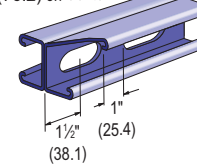


Wt/100 Ft: 174 Lbs (259 kg/100 m)

P4101 WT

DF GR HG PG PI

Slots are
2" (50.8) x 1 1/16" (17.5)
3" (76.2) on Center



Wt/100 Ft: 174 Lbs (259 kg/100 m)

CHANNEL NUTS



P4006-0832
P4006-1024
P4006-1420
P4007
P4008
P4009
P4010



P4010T



P4012
P4023



P3006-0832
P3006-1024
P3006-1420
P3007
P3008
P3009
P3013

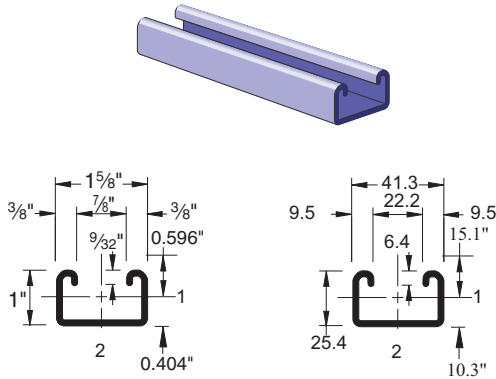


P3016-0632
P3016-0832
P3016-1024
P3016-1420

Channel Finishes: DF, PL, GR, HG, PG, ZD; Standard Lengths: 10' & 20'

P4400

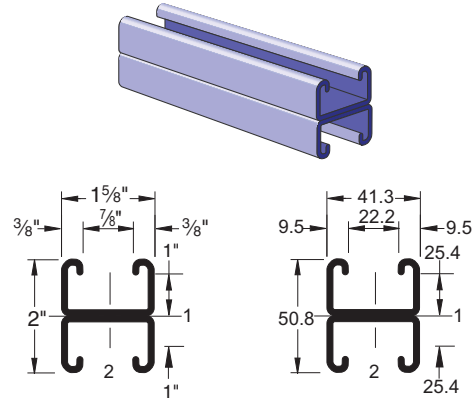
GR PG



Wt/100 Ft: 144 Lbs (210 kg/100 m)
Allowable Moment 2,300 In-Lbs (260 N•m)
12 Gauge Nominal Thickness .105" (2.7mm)

P4401

GR PG

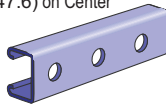


Wt/100 Ft: 289 Lbs (430 kg/100 m)
Allowable Moment 6,410 In-Lbs (725 N•m)
12 Gauge Nominal Thickness .105" (2.7mm)

P4400 HS

GR PG

9/16" (14.3) Dia. Holes
1 7/8" (47.6) on Center

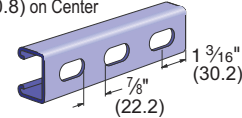


Wt/100 Ft: 136 Lbs (201 kg/100 m)

P4400 T

GR PG

Slots are
1 1/8" (28.6) x 9/16" (14.3)
2" (50.8) on Center

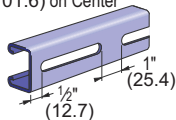


Wt/100 Ft: 136 Lbs (201 kg/100 m)

P4400 SI

GR PG

Slots are
3" (76.2) x 1 3/32" (10.3)
4" (101.6) on Center



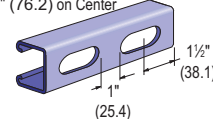
Channel Nuts

Wt/100 Ft: 136 Lbs (201 kg/100 m)

P4400 WT

DF GR HG PG PI

Slots are
2" (50.8) x 1 1/16" (17.5)
3" (76.2) on Center



Wt/100 Ft: 136 Lbs (201 kg/100 m)

CHANNEL NUTS



P4006-0832
P4006-1024
P4006-1420
P4007
P4008
P4009
P4010



P4010T



P4012
P4023



P3006-0832
P3006-1024
P3006-1420
P3007
P3008
P3009
P3013

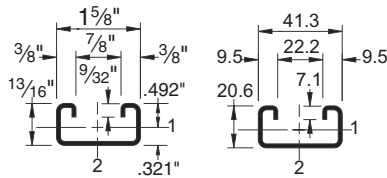
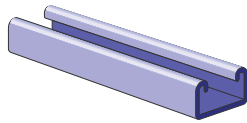


P3016-0632
P3016-0832
P3016-1024
P3016-1420

Channel Finishes: PL, GR, HG, PG, ZD; Standard Lengths: 10' & 20'

P4520

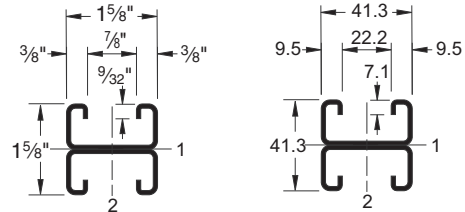
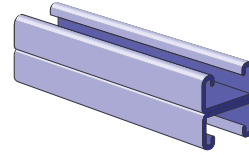
GR PG



Wt/100 Ft: 131 Lbs (190 kg/100 m)
Allowable Moment 1,615 In-Lbs (183 N•m)
12 Gauge Nominal Thickness .105" (2.7mm)

P4521

GR PG

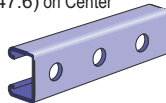


Wt/100 Ft: 262 Lbs (390 kg/100 m)
Allowable Moment 4,540 In-Lbs (513 N•m)
12 Gauge Nominal Thickness .105" (2.7mm)

P4520 HS

GR PG

9/16" (14.3) Dia. Holes
1 7/8" (47.6) on Center

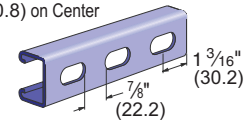


Wt/100 Ft: 120 Lbs (177 kg/100 m)

P4520 T

GR PG

Slots are
1 1/8" (28.6)x 9/16" (14.3)
2" (50.8) on Center

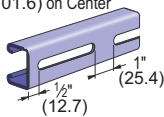


Wt/100 Ft: 120 Lbs (177 kg/100 m)

P4520 SI

GR PG

Slots are
3" (76.2)x 1 3/32" (10.3)
4" (101.6) on Center

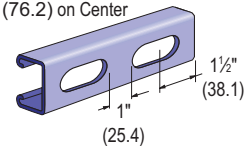


Wt/100 Ft: 118 Lbs (175 kg/100 m)

P4520 WT

DF GR HG PG PI

Slots are
2" (50.8)x 1 1/16" (17.5)
3" (76.2) on Center



Wt/100 Ft: 120 Lbs (177 kg/100 m)

CHANNEL NUTS



P4006-0832
P4006-1024
P4006-1420
P4007
P4008
P4009
P4010



P4010T



P4012
P4023



P3006-0832
P3006-1024
P3006-1420
P3007
P3008
P3009
P3013

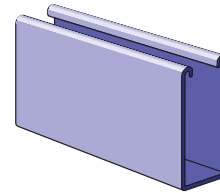
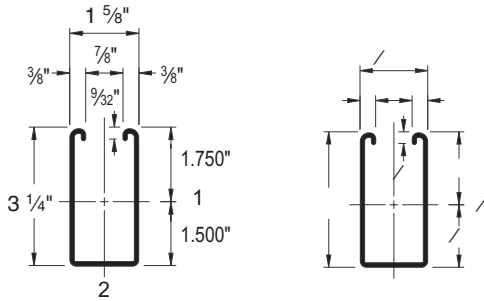


P3016-0632
P3016-0832
P3016-1024
P3016-1420

Channel Finishes: PL, GR, HG, PG, ZD; Standard Lengths: 10' & 20'

P5000

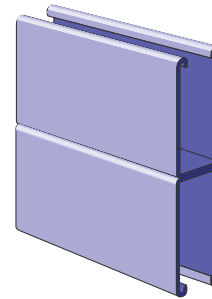
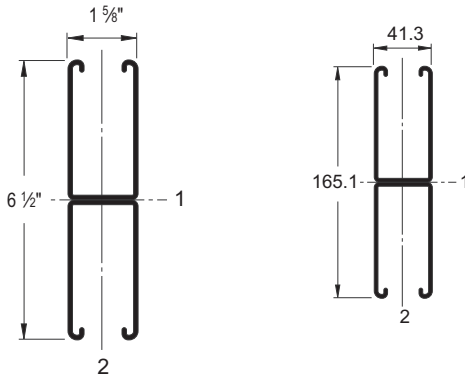
DF GR PI PG



Wt/100 Ft: 305 Lbs (454 kg/100 m)
Allowable Moment 15,770 In-Lbs (1,780 N•m)
12 Gauge Nominal Thickness .105" (2.7mm)

P5001

DF GR PG

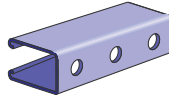


Wt/100 Ft: 610 Lbs (907 kg/100 m)
Allowable Moment 48,180 In-Lbs (5,440 N•m)
12 Gauge Nominal Thickness .105" (2.7mm)

P5000 HS

GR PG

9/16" (14.3) Dia. Holes
1 1/8" (47.6) on Center

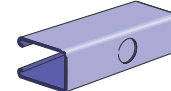


Wt/100 Ft: 300 Lbs (446 kg/100 m)

P5000 KO

GR PG

7/8" (22.2) Knockouts
6" (152.4) on Center

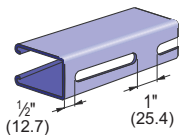


Wt/100 Ft: 305 Lbs (454 kg/100 m)

P5000 SL

GR PG

Slots are
3" (76.2) x 1 1/2" (10.3)
4" (101.6) on Center

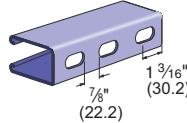


Wt/100 Ft: 300 Lbs (446 kg/100 m)

P5000 T

DF GR PG

Slots are
1 1/8" (28.6) x 9/16" (14.3)
2" (50.8) on Center

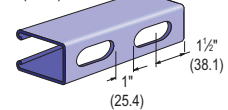


Wt/100 Ft: 300 Lbs (446 kg/100 m)

P5000 WT

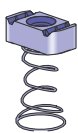
DF GR HG PG PI

Slots are
2" (50.8) x 1 1/8" (17.5)
3" (76.2) on Center



Wt/100 Ft: 300 Lbs (446 kg/100 m)

CHANNEL NUTS



P5506-0832
P5506-1024
P5506-1420
P5507
P5508
P5509
P5510



P1006T1420
P1008T
P1010T



P1012
P1023
P1024



P3006-0832
P3006-1024
P3006-1420
P3007
P3008
P3009
P3010

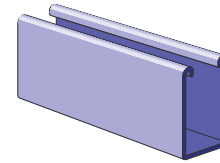
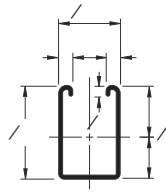
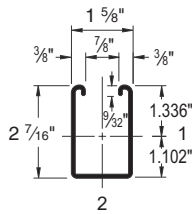


P3016-0632
P3016-0832
P3016-1024
P3016-1420

Channel Finishes: DF, PL, GR, HG, PG, ZD; Standard Lengths: 10' & 20'

P5500

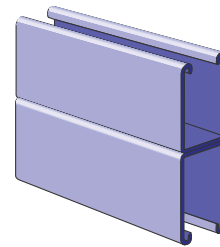
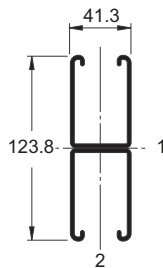
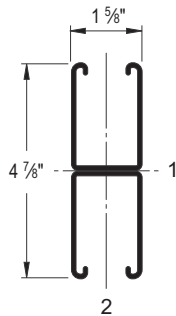
GR PG



Wt/100 Ft: 247 Lbs (367 kg/100 m)
Allowable Moment 9,820 In-Lbs (1,110 N•m)
12 Gauge Nominal Thickness .105" (2.7mm)

P5501

GR PG



Wt/100 Ft: 494 Lbs (734 kg/100 m)
Allowable Moment 28,940 In-Lbs (3,270 N•m)
12 Gauge Nominal Thickness .105" (2.7mm)

P5500 HS

GR PG

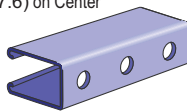
P5500 KO

GR PG

P5500 SI

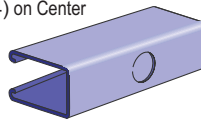
GR PG

9/16" (14.3) Dia. Holes
1 7/8" (47.6) on Center



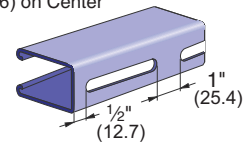
Wt/100 Ft: 242 Lbs (360 kg/100 m)

7/8" (22.2) Knockouts
6" (152.4) on Center



Wt/100 Ft: 247 Lbs (368 kg/100 m)

Slots are
3" (76.2) x 13/32" (10.3)
4" (101.6) on Center



Wt/100 Ft: 242 Lbs (360 kg/100 m)

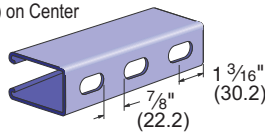
P5500 T

GR PG

P5500 WT

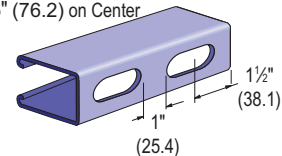
DF GR HG PG PI

Slots are
1 1/8" (28.6) x 9/16" (14.3)
2" (50.8) on Center



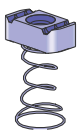
Wt/100 Ft: 242 Lbs (360 kg/100 m)

Slots are
2" (50.8) x 1/16" (17.5)
3" (76.2) on Center



Wt/100 Ft: 242 Lbs (360 kg/100 m)

CHANNEL NUTS



P5506-0832
P5506-1024
P5506-1420
P5507
P5508
P5509
P5510



P1006T1420
P1008T
P1010T



P1012
P1023
P1024



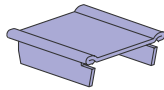
P3006-0832
P3006-1024
P3006-1420
P3007
P3008
P3009
P3010



P3016-0632
P3016-0832
P3016-1024
P3016-1420

Channel Finishes: PL, GR, HG, PG, ZD; Standard Lengths: 10' & 20'

P1280

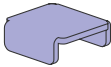


Use with P1000
Material: .060" (1.5)

Wt/100 pcs: 11 Lbs (5.0 Kg.)

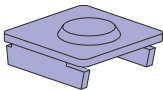
P2407, P3280, P3380

END CAPS



Part Number	Fits Channel	Wt/100 pcs Lbs (kg)
P2407	P1000	10 4.5
P3280	P3000	8 3.6
P3380*	P3300	5 2.3

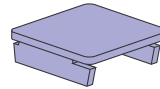
P1280 A, P12280 A



Part Number	Use With Channel	Wt/100 pcs Lbs (kg)
P1280A	P1000	11 5.0
P2280A	P2000	11 5.0

Material: .075" (1.9)

P1180, P2280, P4280, P5280, P5580

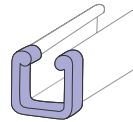


Part Number	Use With Channel	Wt/100 pcs Lbs (kg)
P1180	P1100	12 5.4
P2280	P2000	11 5.0
P4280	P4000	5 2.3
P5280	P5000	22 10.0
P5580	P5500	17 7.7

Material: .075" (1.9)

P2859

FRAME CAPS

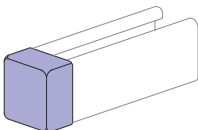


Part Number*	Use With Channel	Wt/100 pcs Lbs (kg)
P2859-10	P1000	12 5.4
P2859-11	P1001	12 5.4
P2859-12	P3300	5 2.3
P2859-13	P5000	22 10.0
P2859-14	P5500	17 7.7

* Add color suffix:
GR - Green
WH - White
GY - Grey
"A" series frame caps available

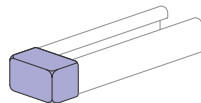
P2860

PLASTIC WHITE END CAPS



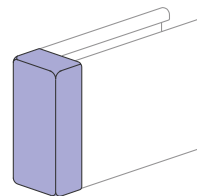
P2860-10

Use with P1000, P1100, P2000 channels & P9000 Telestrut.
Wt/100 pcs 3.4 Lbs (1.5 kg)



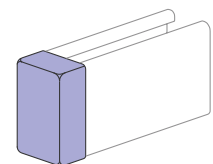
P2860-33

Use with P3300 channel.
Wt/100 pcs 2.5 Lbs (1.1 kg)



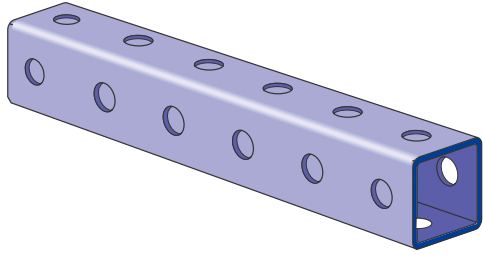
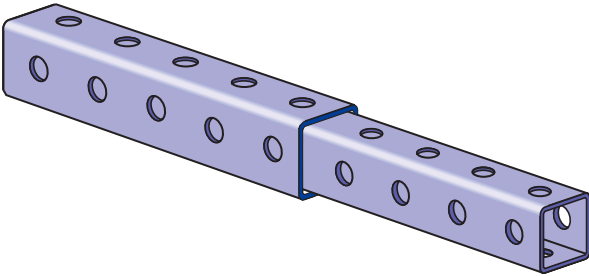
P2860-50

Use with P5000 & P1001 channels.
Wt/100 pcs 5 Lbs (2.3 kg)



P2860-55

Use with P5500 channel.
Wt/100 pcs 4.7 Lbs (2.1 kg)



MATERIAL

TELESTRUT is accurately and carefully cold formed to size from low-carbon strip steel.

STEEL: PLAIN

12 Ga. (2.7 mm), ASTM A1011 SS GR 33.

STEEL: PRE-GALVANIZED

12 Ga. (2.7 mm), ASTM A653 GR 33.

FINISHES

Telestrut is available in:

- Plain (PL)
- Pre-Galvanized (PG)
- Green powder coat (GR)

Fittings are available in:

- Green Powder Coat (GR), conforming to commercial standards for Powder Coating
- Electro-galvanized (EG), conforming to ASTM B633 Type III SC1
- Hot-dipped Galvanized (HG), conforming to ASTM A153
- Plain (PL)

DIMENSIONS

Imperial dimensions are illustrated in inches. Metric dimensions are shown in parenthesis or as noted. Unless noted, all metric dimensions are in millimeters and rounded to one decimal place.

DESIGN BOLT TORQUE

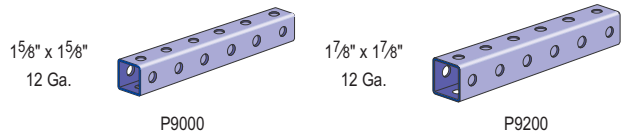
BOLT SIZE	1/4"-20	5/16"-18	3/8"-16	1/2"-13	5/8"-11	3/4"-10
Rec.Torque Ft/Lbs (N•m)	6 (8)	11 (15)	19 (26)	50 (68)	100 (136)	125 (170)
Max Torque Ft/Lbs (N•m)	7 (9)	15 (20)	25 (34)	70 (95)	125 (170)	135 (183)

DESIGN LOAD

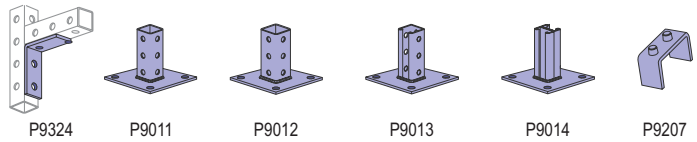
Load tables and charts are constructed to be in accordance with the SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS 2007 EDITION published by the AMERICAN IRON AND STEEL INSTITUTE USING ASD METHOD.

Type of Load	Safety Factor to Yield Strength
Beam Loads	1.67
Column Load	1.80

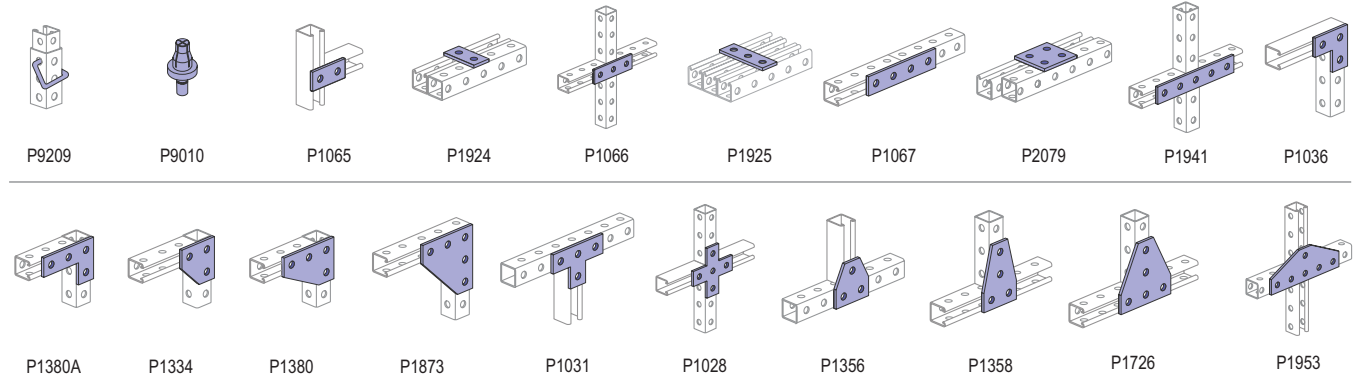
Telestrut Telescoping Tubing



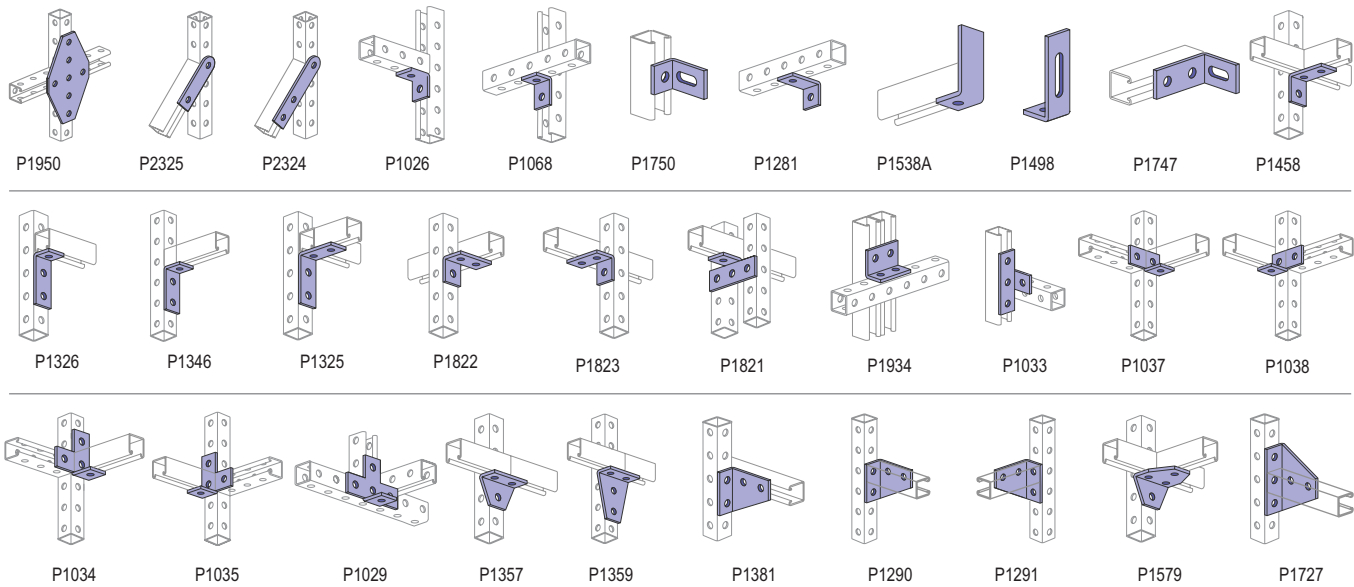
Special Fittings and Post Bases for Telestrut Telescoping Tubing



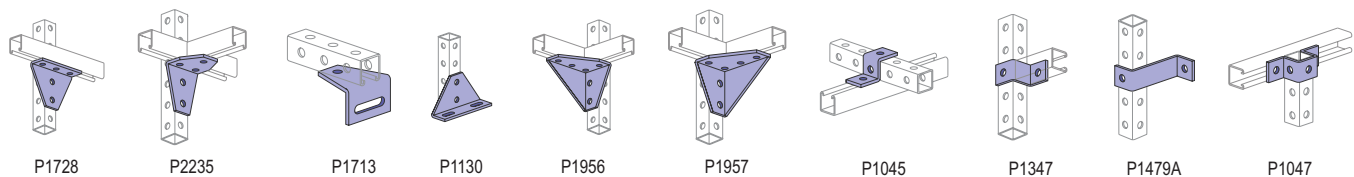
Standard 1 5/8" – Flat Plate Fittings



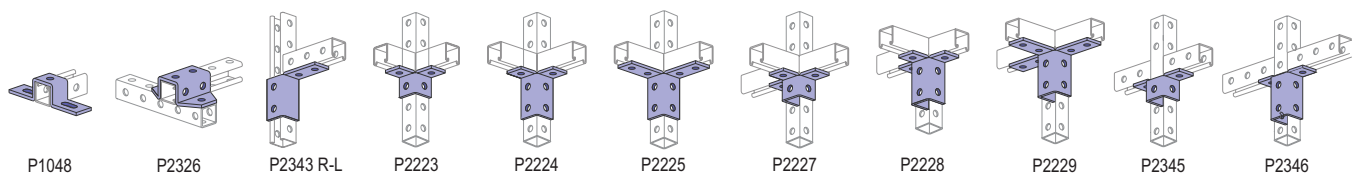
Standard 1 5/8" – Ninety Degree Fittings



Standard 1 5/8" – "Z" and "U" Shape Fittings

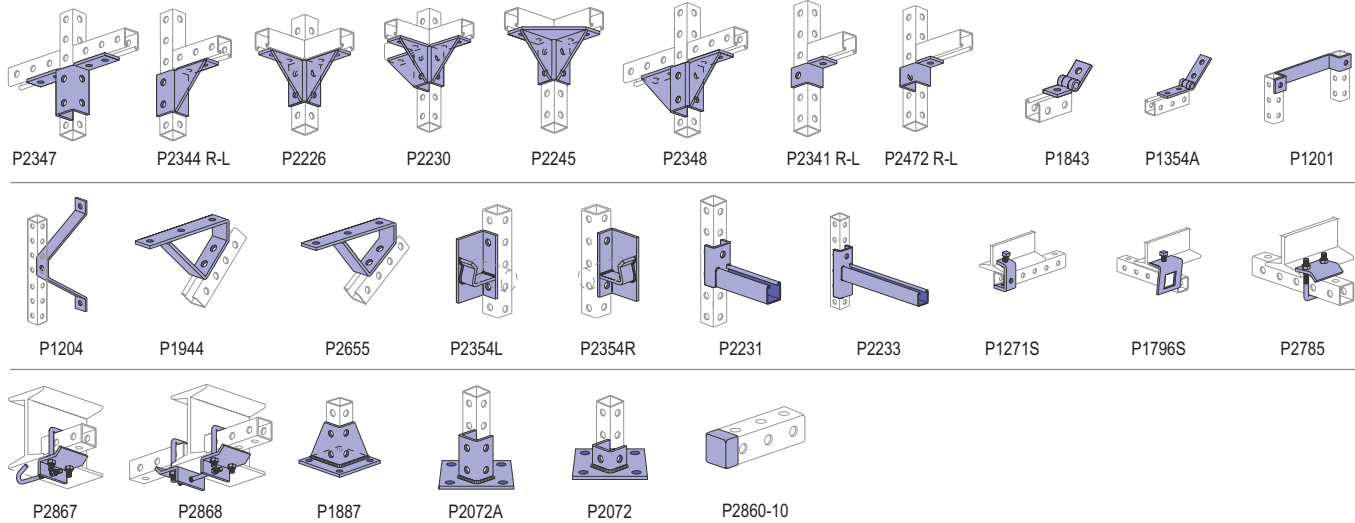


Standard 1 5/8" – Wing Shape Fittings



Standard 1 5/8" Metal Framing – Wing Shape Fittings

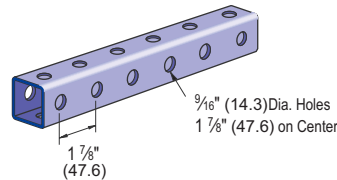
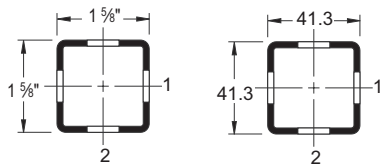
Standard 1 5/8" – Misc. Fittings



Many of the standard metal framing components are compatible with the Telestrut telescoping tubing. Refer to the appropriate page in other sections of the catalog for information on the particular fittings shown here.

P9000

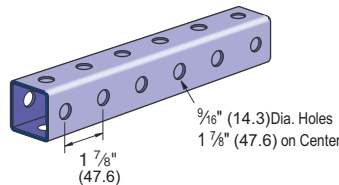
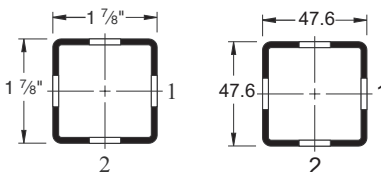
GR PG



Wt/100 Ft: 188 Lbs (279 kg/100 m)
Allowable Moment 5,140 In-Lbs (580 N·m)
12 Gauge Nominal Thickness .105" (2.7mm)

P9200

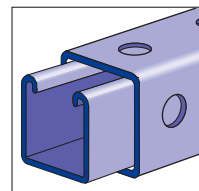
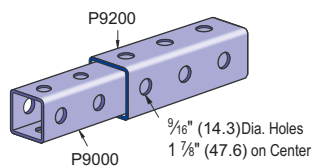
GR PG



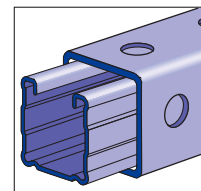
Wt/100 Ft: 223 Lbs (331 kg/100 m)
Allowable Moment 7,480 In-Lbs (850 N·m)
12 Gauge Nominal Thickness .105" (2.7mm)

TELESTRUT'S TELESCOPING POWER

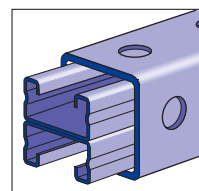
Telestrut can be combined with metal framing channel



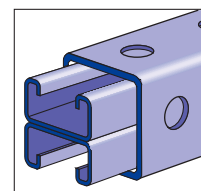
P1000 Series



P1100 Series



P4001 Series



P4101 Series

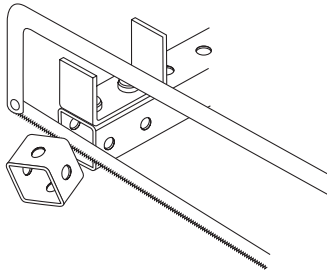
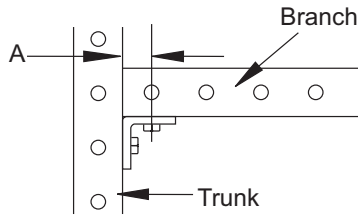
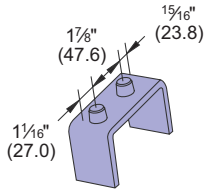
Note: Will not telescope with GR or HG finish

P9207

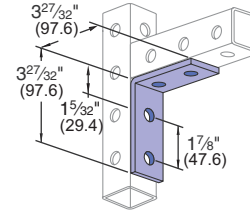
CUTTING ALIGNMENT GAUGE

P9324

EG, GR



The cutting alignment guide ensures correct cutting of branch members when used with fittings to make connections. Refer to the table of page 70 for the appropriate value for "A" for cutting.



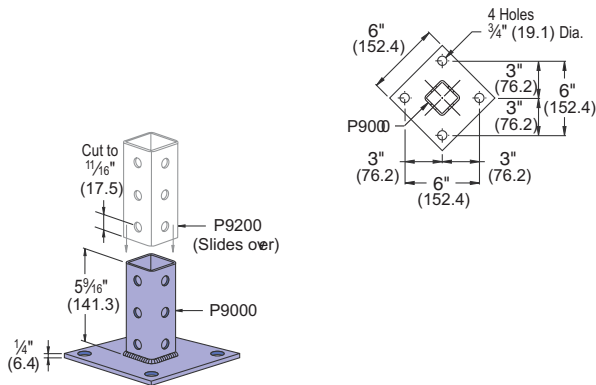
Wt/100 pcs: 78 Lbs (35.0 kg)

P9011

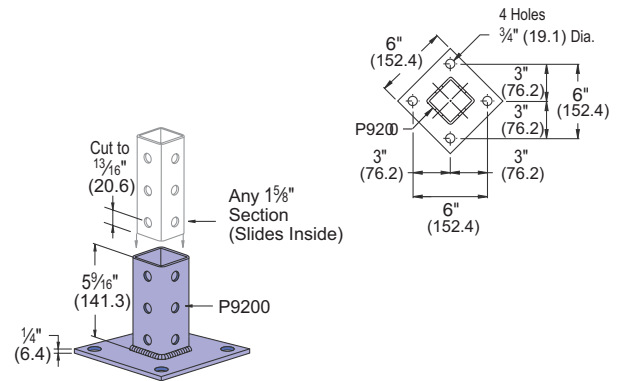
EG, GR

P9012

EG, GR



Wt/100 pcs: 332 Lbs (150.7 kg)



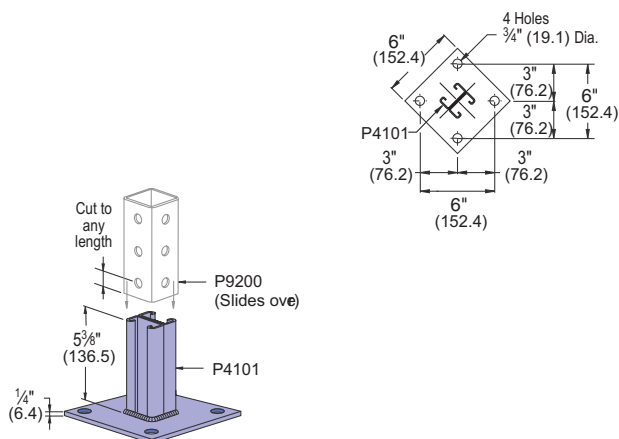
Wt/100 pcs: 340 Lbs (154 kg)

Standard Dimensions for 1 5/8" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 1 3/16" (21mm); Hole Spacing - On Center: 1 7/8" (48mm); Width: 1 5/8" (41.3mm); Thickness: 1/4" (6mm)

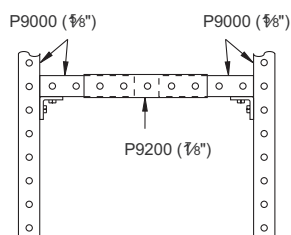
P9014

EG, GR



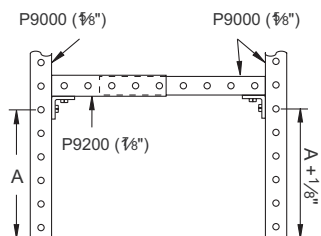
Wt/100 pcs: 303 Lbs (137.5 kg)

PREFERRED THREE-PIECE ASSEMBLY



In most applications, telescoping assemblies should be made from three sections of Telestrut material. The simplest construction utilizes a center section of 1/8" material (P9200) into which a 1 5/8" member (P9000) is telescoped from each end. In this way, all intersecting verticals and horizontals are formed from 1/8" members assuring maximum compatibility and ease of assembly

TWO-PIECE ASSEMBLY

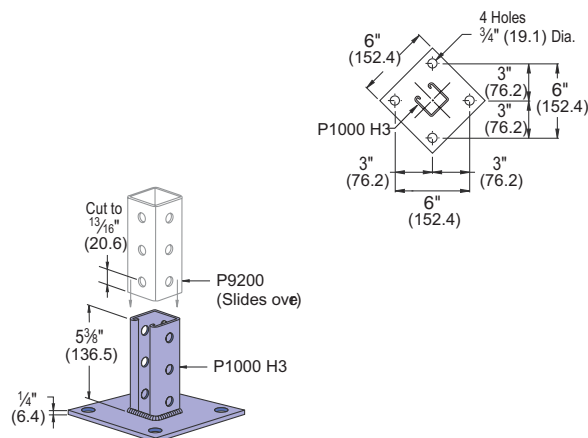


Two-piece telescoping assemblies can be used, but special cutting of one or both telescoping members is needed to achieve proper alignment of fittings at the intersecting connections.

In addition, the right-angle members to which telescoping pieces are attached must be cut according to the illustration at right to insure smooth movement of telescoping members.

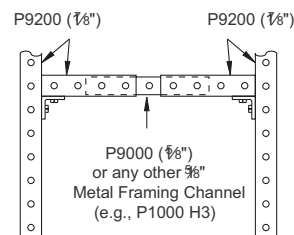
P9013

EG, GR



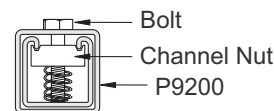
Wt/100 pcs: 318 Lbs (144.7 kg)

ALTERNATE THREE-PIECE ASSEMBLY



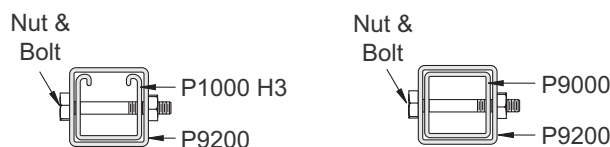
A similar technique is to use a center 1 5/8" center member (P9000) which can be telescoped into 1/8" members used at both ends. With this method, all intersecting connections should be formed from compatible 1/8" members.

CHANNEL NUT CONNECTION – INFINITE ADJUSTMENT



Any of the 1 5/8" (41.3 mm) channel can be connected to the P9000 using standard channel nuts.

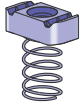
THROUGH-BOLT CONNECTION – INCREMENTAL ADJUSTMENT



Standard Dimensions for 1 5/8" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 1 3/16" (21mm); Hole Spacing - On Center: 1 7/8" (48mm); Width: 1 5/8" (41.3mm); Thickness: 1/4" (6mm)

Channel Nuts With Spring



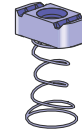
P1006 - P1010



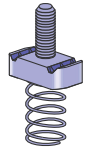
P1012S - P1024S



P4006 - P4010



P5506 - P5510



P2378 - P2382

Channel Nuts Without Spring



P3016



P3006 - P3013



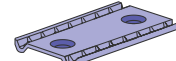
P1012 - P1024



P4012 - P4023



P1006T - P1010T, P4010T



P4908



P1016

Hardware



HHCS



HFMS



HRMS



HSHS



HCSS



HSQN



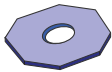
HHXN



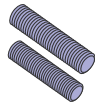
HFLW



HLKW



HOCW



HTHR



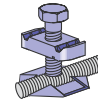
HRCN



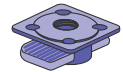
P2486



P2485



P2485K



K1062 - K1064

MATERIAL

Robexstrut channel nuts are manufactured from mild steel cold rolled coil, and after stamping and machining operations are completed, they are case hardened, assuring positive biting action into the inturned edge of the Robexstrut channel.

Screws conform to SAE J429 GR 2 (exceeds ASTM A307). Proof Load 55KSI, Tensile Load 74 KSI

Bolt Size	Channel Nut ASTM
1/4" & 5/16"	A1011 SS GR33
3/8", 7/16" & 1/2"	A576 GR1015 Modified
5/8" & 3/4"	A36 or A675 GR60
7/8"	A36

FINISHES

All Channel nuts are available in:

Electro-galvanized (EG), conforming to ASTM B633 type III SC1

Hot-dipped galvanized (HG), conforming to ASTM A153

Plain (PL)

Robexstrut Defender™ (DF), conforming to ASTM A1059

Hardware items such as Hex Nuts bolts and washers are Electro-Galvanized (EG), ASTM B633 Type III SC1 finish, unless otherwise noted.

Many hardware items are also available in stainless steel. Consult factory for ordering information.

THREADS

Robexstrut nuts and bolts are manufactured to meet the Unified Screw Thread standard, ANSI B1.1, coarse series (UNC) class 2.

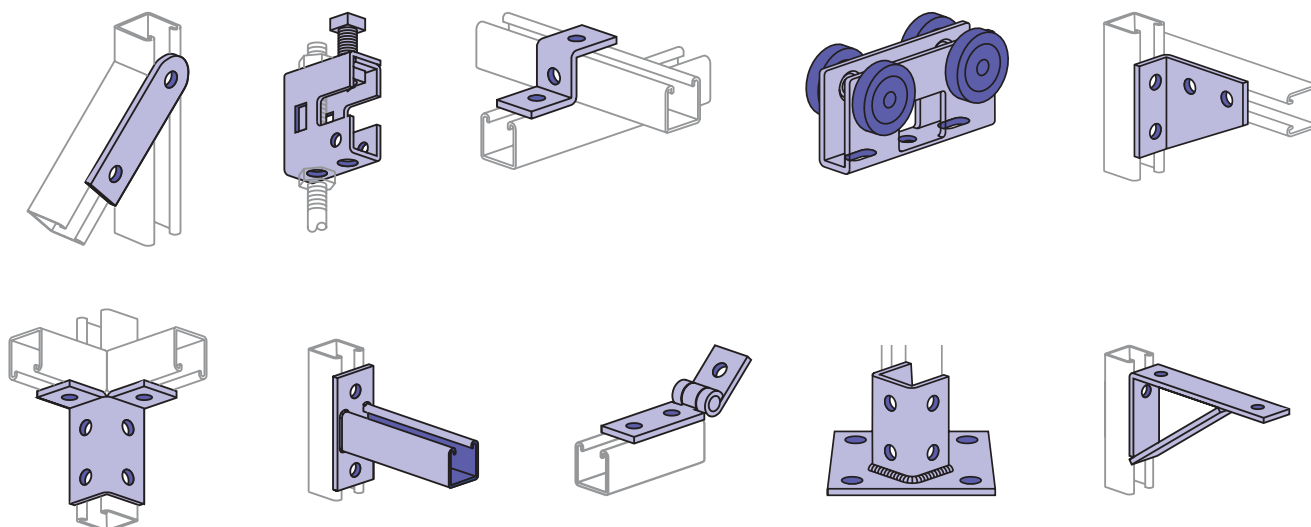
DESIGN BOLT TORQUE

BOLT SIZE	1/4"-20	5/16"-18	3/8"-16	1/2"-13	5/8"-11	3/4"-10
Rec.Torque Ft/Lbs (N•m)	6 (8)	11 (15)	19 (26)	50 (68)	100 (136)	125 (170)
Max Torque Ft/Lbs (N•m)	7 (9)	15 (20)	25 (34)	70 (95)	125 (170)	135 (183)

DIMENSIONS

Imperial dimensions are illustrated in inches. Metric dimensions are shown in parenthesis or as noted. Unless noted, all metric dimensions are in millimeters and rounded to one decimal place.

Many Robexstrut nuts, bolts and hardware items are also available in standard metric dimensions. Consult factory for ordering information.



MATERIAL

Fittings, unless noted, are made from hot-rolled, pickled and oiled steel plates, bar, strip or coil, and conform to one or more of the following specifications: ASTM specifications A575, A576, A635, A1011 SS GR 33, A1011 HSLAS GR 45 or A36. All fittings meet or exceed physical properties of ASTM A1011 GR 33. The pickling of the steel produces a smooth surface free from scale.

Many fittings are also available in stainless steel, aluminum and fiberglass. Consult factory for ordering information.

FINISHES

Fittings are available in:

Green Powder Coat (GR), conforming to commercial standards for Powder Coating

Electro-galvanized (EG), conforming to ASTM B633 Type III SC1;

Hot-dipped galvanized (HG), conforming to ASTM A123 or A153 and

Plain (PL)

Robexstrut Defender (DF), conforming to ASTM A1059 or A1046

APPLICATION

All parts drawings illustrate only one application of each fitting. In most cases many other applications are possible. The channels shown in the illustrations are P1000, 1 5/8" square, except where noted otherwise.

All 3/16" diameter holes use 1/2" x 15/16" hex head cap screws and 1/2" nuts – P1010, P3010, P4010 or P5510 – depending on the channel used. Nuts and bolts are not included with the fitting and must be ordered separately.

DESIGN BOLT TORQUE

BOLT SIZE	1/4"-20	5/16"-18	3/8"-16	1/2"-13	5/8"-11	3/4"-10
Rec. Torque Ft/Lbs (N•m)	6 (8)	11 (15)	19 (26)	50 (68)	100 (136)	125 (170)
Max Torque Ft/Lbs (N•m)	7 (9)	15 (20)	25 (34)	70 (95)	125 (170)	135 (183)

SET SCREW TORQUE

BOLT SIZE	1/4"-20	3/8"-16	1/2"-13	5/8"-11	3/4"-10	7/8"-9
Set Screw Torque In/Lbs (N•m)	40 (4)	60 (7)	125 (14)	250 (28)	400 (44.5)	665 (75)

Note: Caution should be taken not to overtighten the set screw

DIMENSIONS

Imperial dimensions are illustrated in inches. Metric dimensions are shown in parenthesis or as noted. Unless noted, all metric dimensions are in millimeters and rounded to one decimal place.

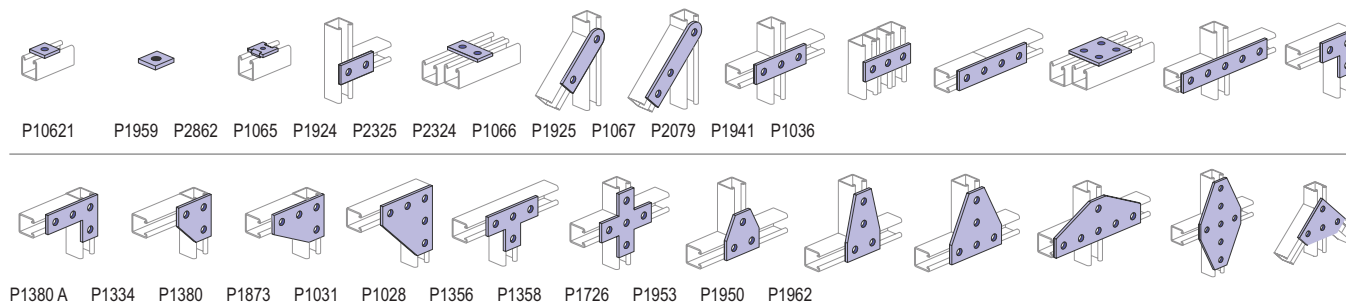
DESIGN LOAD

Design load data, where shown, is based on the ultimate strength of the connection with a safety factor of 2.5, unless otherwise noted.

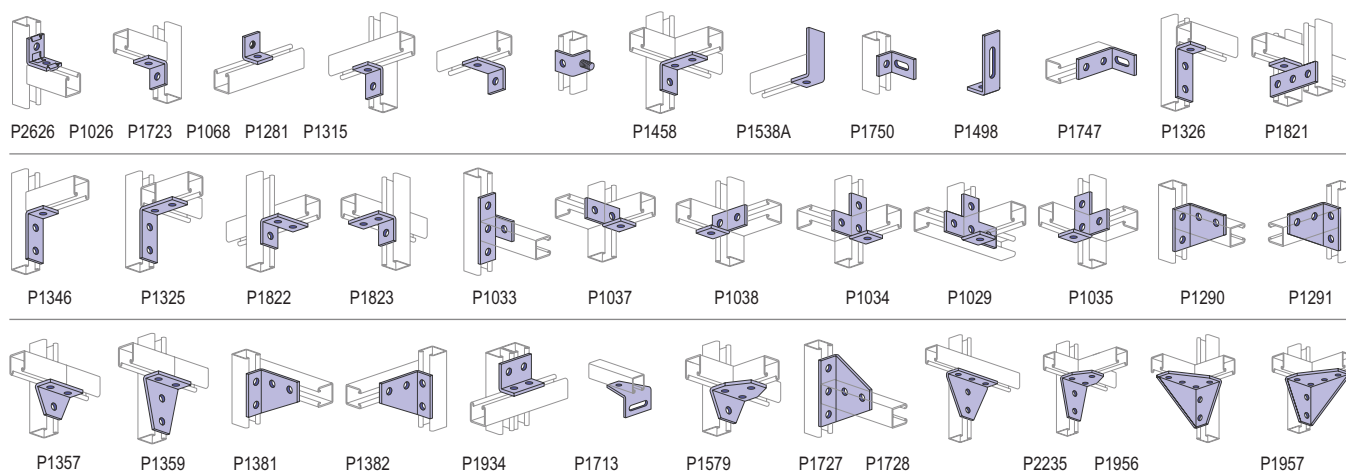
BEAM CLAMPS

Clamps are designed to be used with W, M, S and HP Shape beams, Standard C and Miscellaneous MC Channels, Angles and Structural Tees. Clamps must be used in pairs mounted in opposite directions where indicated. For beam clamps with HG finish, standard hardware is EG finish. For optional stainless steel hardware, please contact the factory for availability.

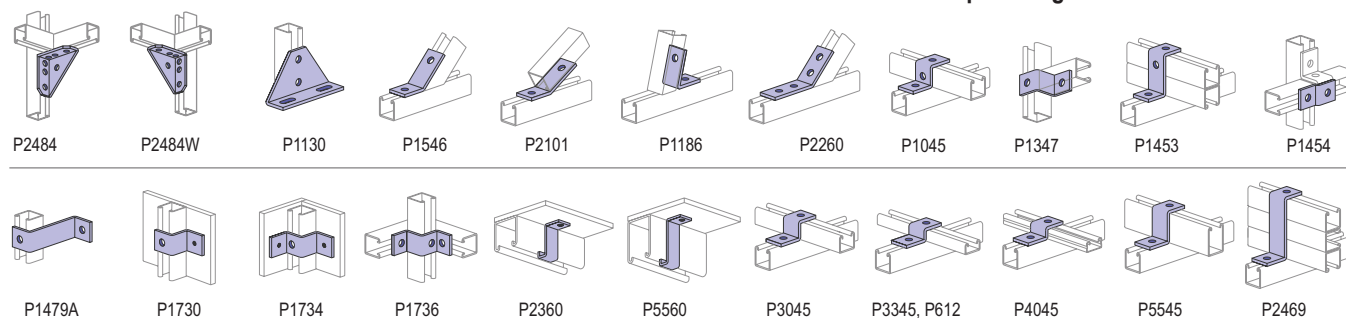
Flat Plate Fittings



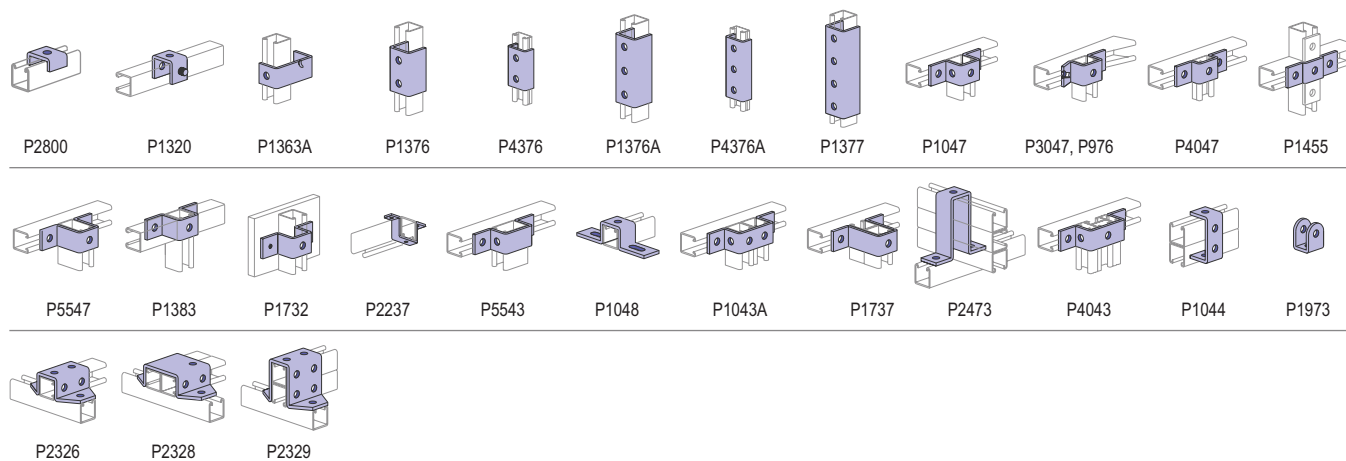
Angle Fittings



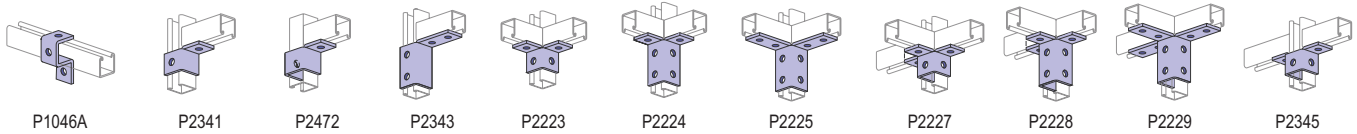
"Z" Shape Fittings



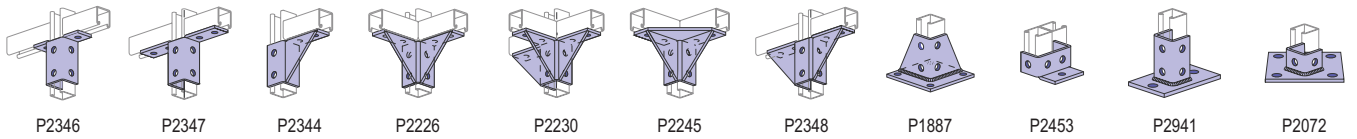
"U" Shape Fittings



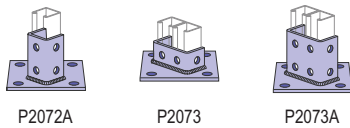
Wing Shape Fittings



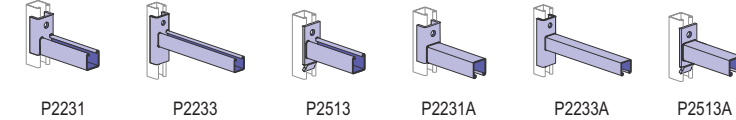
Post Bases



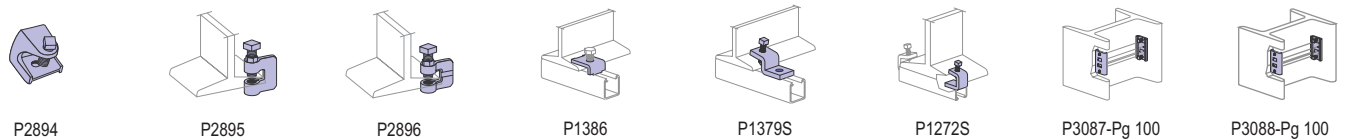
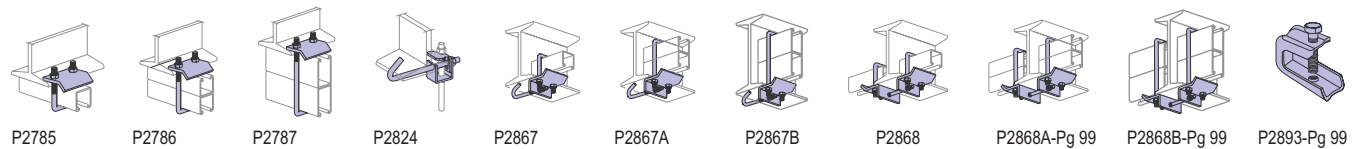
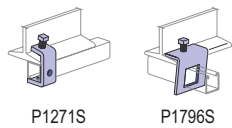
Bracket Fittings



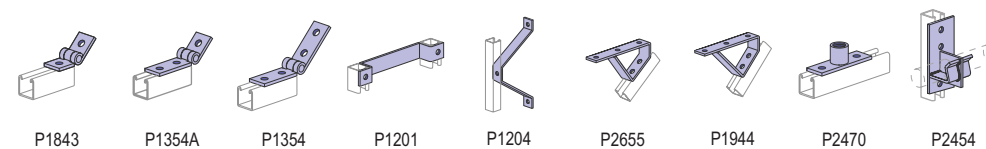
Brace Fittings



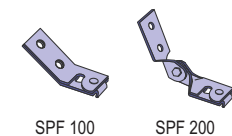
Beam Clamps



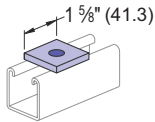
Special Applications Fittings



Seismic Retrofit Fittings

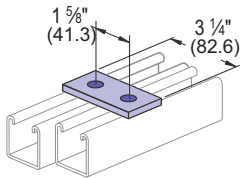


P1062, P1063, P1064, P1964, P2471, P2490  DF, EG, GR, HG



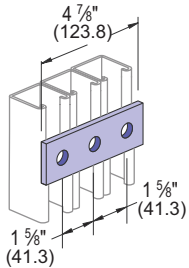
Part No.	Bolt Size	Hole Size	Wt/100 pcs Lbs (kg)
P1062	5/16"	11/32"	18 (8.2)
P1063	3/8"	7/16"	18 (8.2)
P1064	1/2"	9/16"	17 (7.7)
P1964	5/8"	11/16"	16 (7.3)
P2471	3/4"	13/16"	15 (6.8)
P2490	7/8"	15/16"	14 (6.4)

P1924  EG, GR, HG



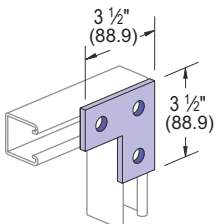
Wt/100 pcs: 35 Lbs (15.9 kg)

P1925  EG, GR, HG



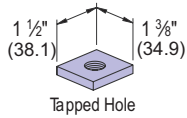
Wt/100 pcs: 50 Lbs (22.7 kg)

P1036  DF, EG, GR, HG



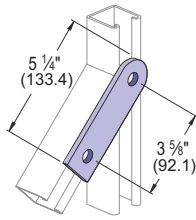
Wt/100 pcs: 58 Lbs (26.3 kg)

P1959, P1960, P1961  EG, GR, HG



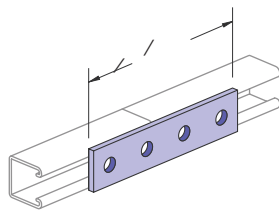
Material: 3/8" (9.5 mm) thick

P2325  EG, GR, HG



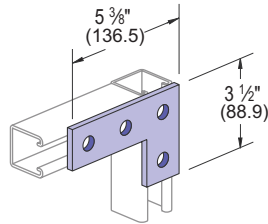
Wt/100 pcs: 55 Lbs (24.9 kg)

P1067  EG, GR, HG



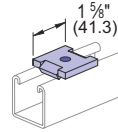
Wt/100 pcs: 78 Lbs (35.4 kg)

P1380 A  DF, EG, GR, HG



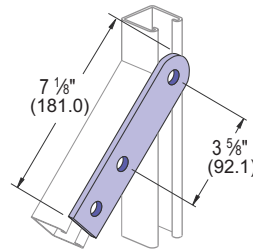
Wt/100 pcs: 80 Lbs (36.3 kg)

P2862, 2863, 2864  DF, EG, GR, HG



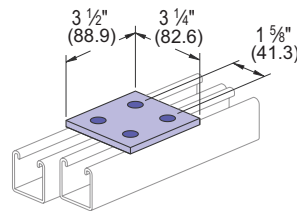
Part Number	Bolt Size	Hole Size	Wt/100 pcs Lbs (kg)
P2862	5/16"	11/32"	18 (8.2)
P2863	3/8"	7/16"	18 (8.2)
P2864	1/2"	9/16"	17 (7.7)

P2324  DF, EG, GR, HG



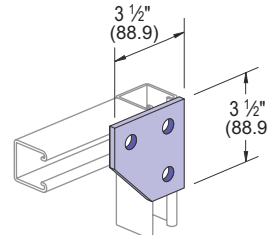
Wt/100 pcs: 75 Lbs (34.0 kg)

P2079  EG, GR, HG



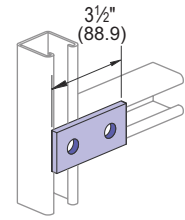
Wt/100 pcs: 73 Lbs (33.1 kg)

P1334  EG, GR, HG



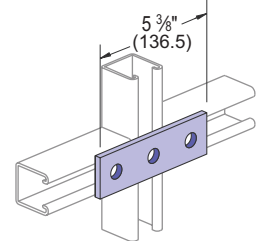
Wt/100 pcs: 70 Lbs (31.8 kg)

P1065  DF, EG, GR, HG



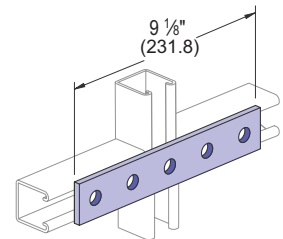
Wt/100 pcs: 38 Lbs (17.2 kg)

P1066  DF, EG, GR, HG



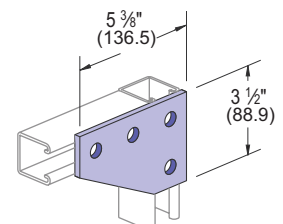
Wt/100 pcs: 56 Lbs (25.4 kg)

P1941  EG, GR, HG



Wt/100 pcs: 94 Lbs (42.6 kg)

P1380  EG, GR, HG



Wt/100 pcs: 105 Lbs (47.6 kg)

Standard Dimensions for 1 5/8" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 5/16" (14.3mm); Hole Spacing - From End: 1 3/16" (20.6mm); Hole Spacing - On Center: 1 5/8" (47.6mm); Width: 1 5/8" (41.3mm); Thickness: 1/4" (6.4mm) with steel meeting or exceeding ASTM A1011 SS GR 33, or 0.220" (5.6mm) with steel meeting or exceeding ASTM A1011 HSLAS GR 45

1 5/8" System

Telestrut

Nuts & Hardware

General Fittings

Pipe/Conduit Support

Concrete Inserts

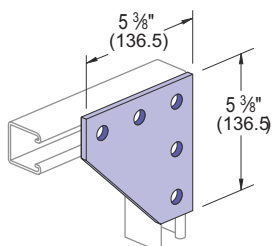
Solar

1 1/4" System

3/16" System

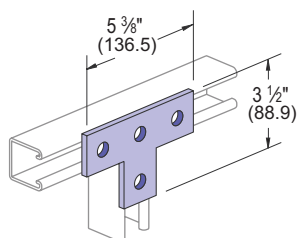
Special Metals

P1873 EG, GR, HG



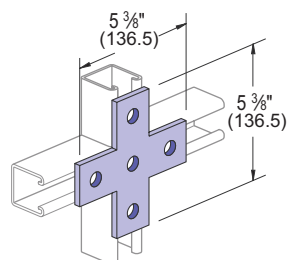
Wt/100 pcs: 150 Lbs (68.0 kg)

P1031 DF, EG, GR, HG



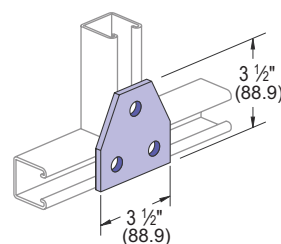
Wt/100 pcs: 80 Lbs (36.3 kg)

P1028 DF, EG, GR, HG



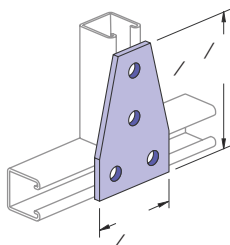
Wt/100 pcs: 105 Lbs (47.6 kg)

P1356 EG, GR, HG



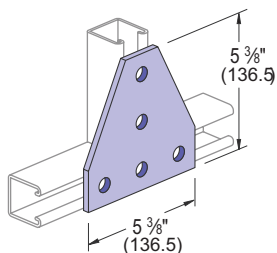
Wt/100 pcs: 70 Lbs (31.8 kg)

P1358 EG, GR, HG



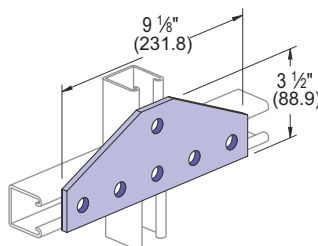
Wt/100 pcs: 105 Lbs (47.6 kg)

P1726 EG, GR, HG



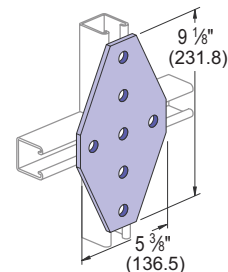
Wt/100 pcs: 148 Lbs (67.1 kg)

P1953 EG, GR, HG



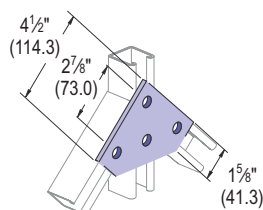
Wt/100 pcs: 176 Lbs (79.8 kg)

P1950 EG, GR, HG



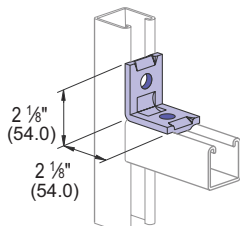
Wt/100 pcs: 240 Lbs (108.9 kg)

P1962 EG, GR, HG



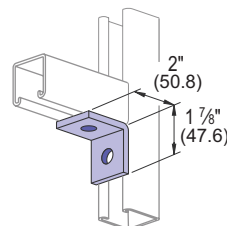
Wt/100 pcs: 112 Lbs (50.8 kg)

P2626 EG, GR, HG



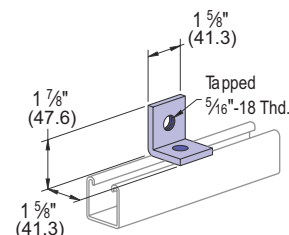
Wt/100 pcs: 40 Lbs (18.1 kg)

P1026 DF, EG, GR, HG



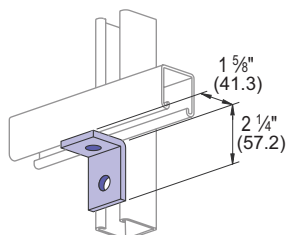
Wt/100 pcs: 38 Lbs (17.2 kg)

P1723 EG, GR, HG



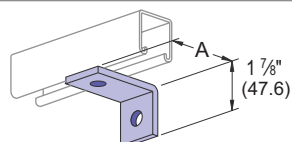
Wt/100 pcs: 34 Lbs (15.4 kg)

P1068 DF, EG, GR, HG



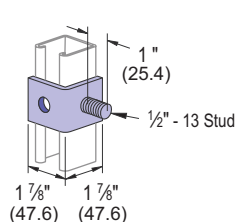
Wt/100 pcs: 38 Lbs (17.2 kg)

P1281, P1282, P1283 EG, GR, HG



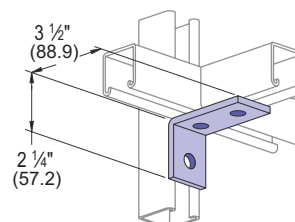
Part No.	"A" In (mm)	Wt/100 pcs Lbs (kg)
P1281	3	49
	76.2	22.2
P1282	3 1/2	54
	88.9	24.5
P1283	4	61
	101.6	27.7

P1315 EG, GR, HG



Wt/100 pcs: 45 Lbs (20.4 kg)

P1458 EG, GR, HG



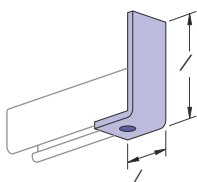
Wt/100 pcs: 58 Lbs (26.3 kg)

Standard Dimensions for 1 5/8" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 1 3/16" (20.6mm); Hole Spacing - On Center: 1 7/8" (47.6mm); Width: 1 5/8" (41.3mm); Thickness: 1/4" (6.4mm) with steel meeting or exceeding ASTM A1011 SS GR 33, or 0.220" (5.6mm) with steel meeting or exceeding ASTM A1011 HSLAS GR 45

P1538A THRU P1538D

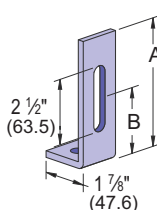
EG, GR, HG



Part Number	"A" In (mm)	Wt/100 pcs Lbs (kg)
P1538A	3 7/8 98.4	61 27.7
P1538B	5 7/8 149.2	84 38.1
P1538C	7 7/8 200.0	107 48.5
P1538D	9 7/8 250.8	130 59.0

P1498, P1499

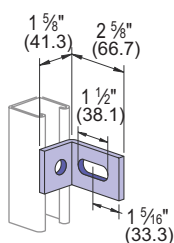
DF, EG, GR, HG



Part Number	"A" In (mm)	"B" In (mm)	Wt/100 pcs Lbs (kg)
P1498	4 7/8 123.8	2 1/2 63.5	65 29.5
P1499	6 7/8 174.6	4 1/2 114.3	85 38.6

P1750

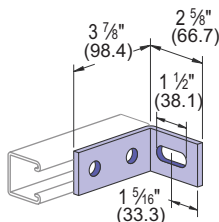
EG, GR, HG



Wt/100 pcs: 38 Lbs (17.2 kg)

P1747

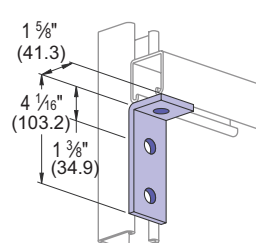
EG, GR, HG



Wt/100 pcs: 66 Lbs (29.9 kg)

P1326

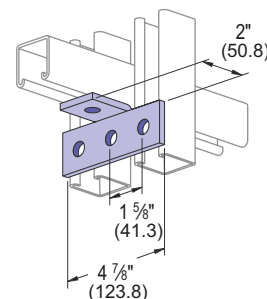
EG, GR, HG



Wt/100 pcs: 58 Lbs (26.3 kg)

P1821

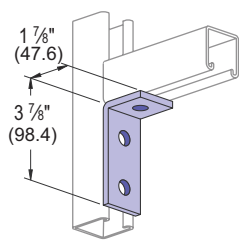
EG, GR, HG



Wt/100 pcs: 71 Lbs (32.2 kg)

P1346

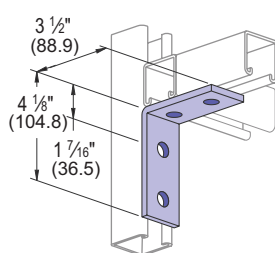
EG, GR, HG



Wt/100 pcs: 58 Lbs (26.3 kg)

P1325

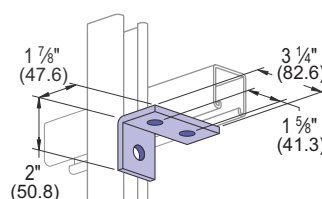
EG, GR, HG



Wt/100 pcs: 78 Lbs (35.4 kg)

P1822

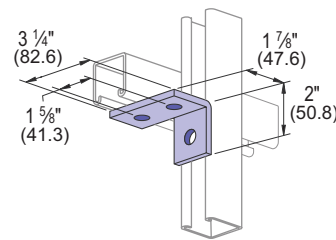
EG, GR, HG



Wt/100 pcs: 55 Lbs (24.9 kg)

P1823

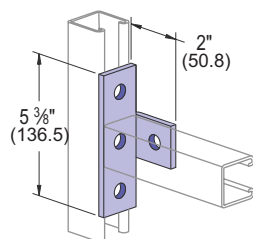
EG, GR, HG



Wt/100 pcs: 55 Lbs (24.9 kg)

P1033

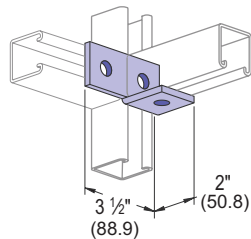
EG, GR, HG



Wt/100 pcs: 80 Lbs (36.3 kg)

P1037

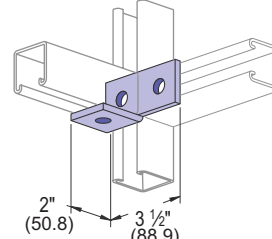
EG, GR, HG



Wt/100 pcs: 58 Lbs (26.3 kg)

P1038

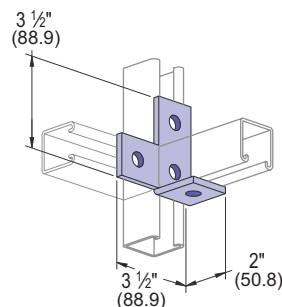
EG, GR, HG



Wt/100 pcs: 58 Lbs (26.3 kg)

P1034

EG, GR, HG

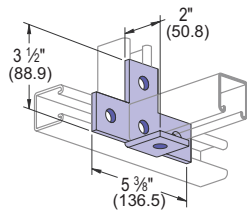


Wt/100 pcs: 80 Lbs (36.3 kg)

Standard Dimensions for 1 5/8" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

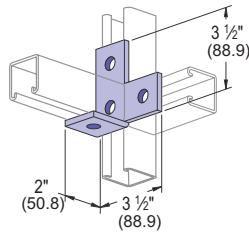
Hole Diameter: 5/16" (14.3mm); Hole Spacing - From End: 1 3/16" (20.6mm); Hole Spacing - On Center: 1 7/8" (47.6mm); Width: 1 5/8" (41.3mm); Thickness: 1/4" (6.4mm) with steel meeting or exceeding ASTM A1011 SS GR 33, or 0.220" (5.6mm) with steel meeting or exceeding ASTM A1011 HSLAS GR 45

P1029 EG, GR, HG



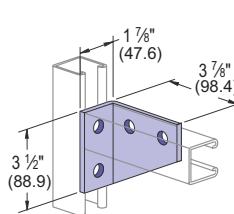
Wt/100 pcs: 105 Lbs (47.6 kg)

P1035 EG, GR, HG



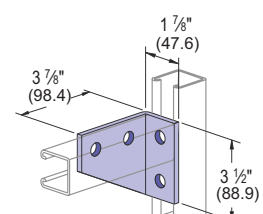
Wt/100 pcs: 80 Lbs (36.3 kg)

P1290 EG, GR, HG



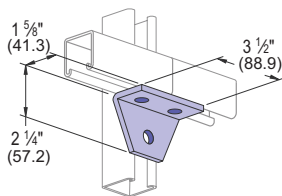
Wt/100 pcs: 101 Lbs (45.8 kg)

P1291 EG, GR, HG



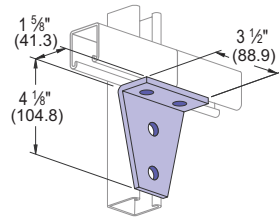
Wt/100 pcs: 101 Lbs (45.8 kg)

P1357 EG, GR, HG



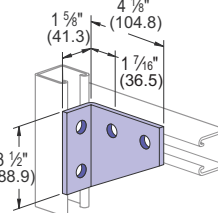
Wt/100 pcs: 70 Lbs (31.8 kg)

P1359 EG, GR, HG



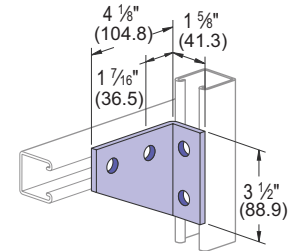
Wt/100 pcs: 105 Lbs (47.6 kg)

P1381 EG, GR, HG



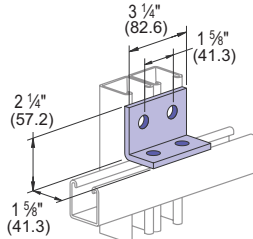
Wt/100 pcs: 105 Lbs (47.6 kg)

P1382 EG, GR, HG



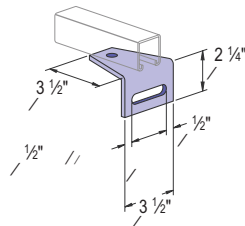
Wt/100 pcs: 105 Lbs (47.6 kg)

P1934



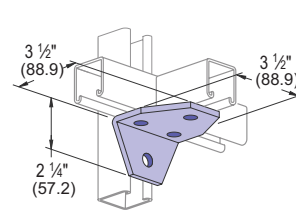
Wt/100 pcs: 75 Lbs (34.0 kg)

P1713



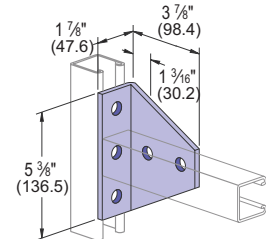
Wt/100 pcs: 97 Lbs (44.0 kg)

P1579



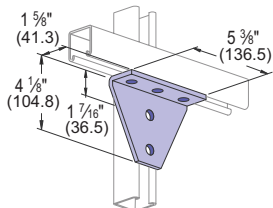
Wt/100 pcs: 103 Lbs (46.7 kg)

P1727



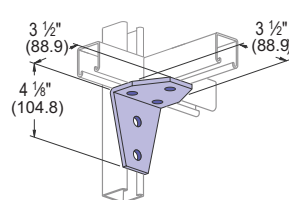
Wt/100 pcs: 154 Lbs (69.9 kg)

P1728



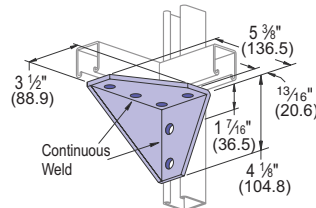
Wt/100 pcs: 154 Lbs (69.9 kg)

P2235



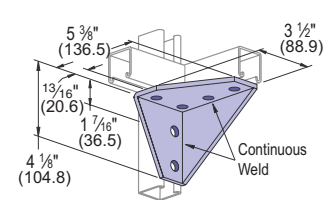
Wt/100 pcs: 135 Lbs (61.2 kg)

P1956



Wt/100 pcs: 230 Lbs (104.3 kg)

P1957 EG, GR, HG

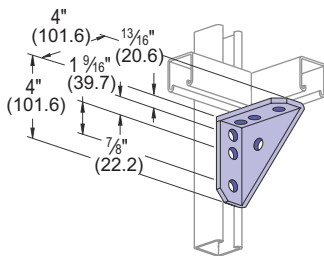


Wt/100 pcs: 230 Lbs (104.3 kg)

Standard Dimensions for 1 5/8" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

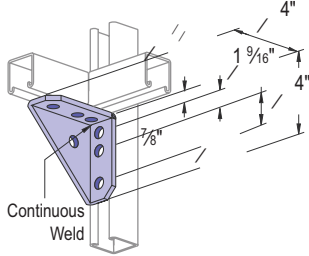
Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 1 5/16" (20.6mm); Hole Spacing - On Center: 1 7/8" (47.6mm); Width: 1 5/8" (41.3mm); Thickness: 1/4" (6.4mm) with steel meeting or exceeding ASTM A1011 SS GR 33, or 0.220" (5.6mm) with steel meeting or exceeding ASTM A1011 HSLAS GR 45

P2484 DF, EG, GR, HG



Wt/100 pcs: 134 Lbs (60.8 kg)

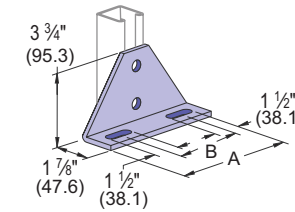
P2484W EG, GR, HG



Wt/100 pcs: 134 Lbs (60.8 kg)

P1130, P1131

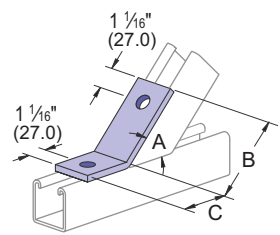
 EG, GR, HG



Part Number	"A" In (mm)	"B" In (mm)	Wt/100 pcs Lbs (kg)
P1130	6 5/8 168.3	4 101.6	190 86.2
P1131	8 5/8 219.1	6 152.4	242 109.8

P1546, P2094 THRU P2100

 DF, EG, GR, HG

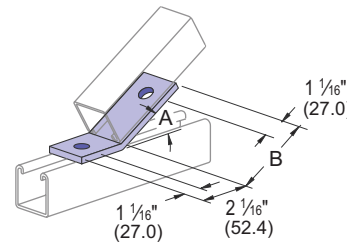


Part No.	"A" Degree (rad)	"B" In (mm)	"C" In (mm)
P2094	82 1/2° 1.44	3 3/16 90.5	1 11/16 42.9
P2095	75° 1.31	3 3/16 90.5	1 11/16 42.9
P2096	67 1/2° 1.18	3 1/2 88.9	1 3/4 44.5
P2097	60° 1.05	3 3/8 85.7	1 7/8 47.6
P2098	52 1/2° 0.92	3 1/4 82.6	2 1/16 52.4
P1546	45° 0.79	3 76.2	2 5/16 58.7
P2099	37 1/2° 0.65	3 1/2 88.9	1 3/16 46.0
P2100	37 1/2° 0.65	2 11/16 68.3	2 5/8 66.7

Wt/100 pcs: 58 Lbs (26.3 kg)

P2101 THRU P2104

 EG, GR, HG

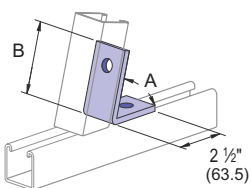


Part No.	"A" Degree (rad)	"B" In (mm)
P2101	30° 0.52	3 1/4 82.6
P2102	22 1/2° 0.39	3 3/8 84.1
P2103	15° 0.26	3 5/8 84.1
P2104	7 1/2° 0.13	3 3/8 84.1

Wt/100 pcs: 58 Lbs (26.3 kg)

P1186, P2105 THRU P2110

 DF, EG, GR, HG

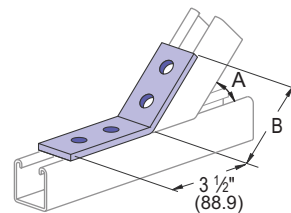


Part Number	"A" Degree (rad)	"B" In (mm)
P2105	82 1/2° 1.44	3 1/4 82.6
P2106	75° 1.31	3 1/4 82.6
P2107	67 1/2° 1.18	3 3/8 81.0
P2108	60° 1.05	3 3/8 81.0
P2109	52 1/2° 0.92	3 3/8 79.4
P1186	45° 0.79	3 3/8 79.4
P2110	37 1/2° 0.65	3 1/8 77.8

Wt/100 pcs: 58 Lbs (26.3 kg)

P2260 THRU P2270

 DF, EG, GR, HG



Part Number	"A" Degree (rad)	"B" In (mm)
P2270	82 1/2° 1.44	3 3/8 92.1
P2269	75° 1.31	3 3/8 92.1
P2268	67 1/2° 1.18	3 3/8 92.1
P2267	60° 1.05	3 11/16 93.7
P2266	52 1/2° 0.92	3 11/16 93.7
P2265	45° 0.79	3 11/16 93.7
P2264	37 1/2° 0.65	3 11/16 93.7
P2263	30° 0.52	3 11/16 93.7
P2262	22 1/2° 0.39	3 3/4 95.3
P2261	15° 0.26	3 3/4 95.3
P2260	7 1/2° 0.13	3 3/4 95.3

Wt/100 pcs: 78 Lbs (35.4 kg)

Standard Dimensions for 1 5/8" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 5/16" (14.3mm); Hole Spacing - From End: 1 3/16" (20.6mm); Hole Spacing - On Center: 1 7/8" (47.6mm); Width: 1 5/8" (41.3mm); Thickness: 1/4" (6.4mm) with steel meeting or exceeding ASTM A1011 SS GR 33, or 0.220" (5.6mm) with steel meeting or exceeding ASTM A1011 HSLAS GR 45

1 5/8" System

Telestrut

Nuts & Hardware

General Fittings

Pipe/Conduit Support

Concrete Inserts

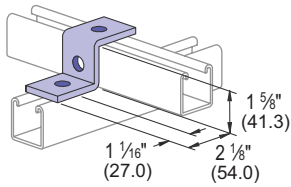
Solar

1 1/4" System

3/16" System

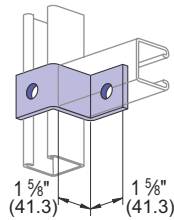
Special Metals

P1045 DF, EG, GR, HG



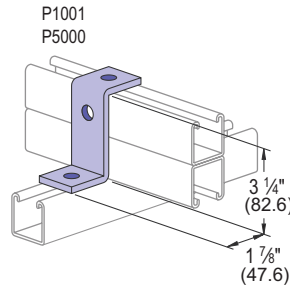
Wt/100 pcs: 55 Lbs (24.9 kg)

P1347 EG, GR, HG



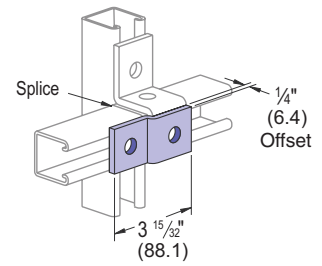
Wt/100 pcs: 55 Lbs (24.9 kg)

P1453 EG, GR, HG



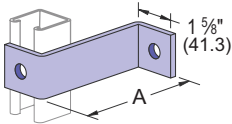
Wt/100 pcs: 70 Lbs (31.8 kg)

P1454 EG, GR, HG



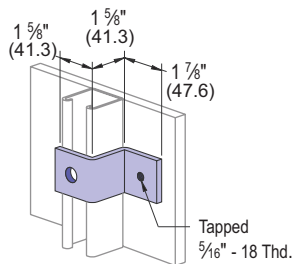
Wt/100 pcs: 38 Lbs (17.2 kg)

P1479A THRU P1479E



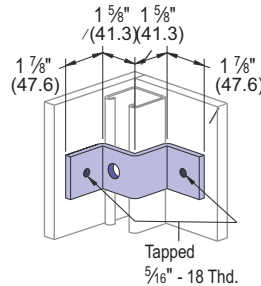
Part Number	"A" In (mm)	Wt/100 pcs Lbs (kg)
P1479A	4 (101.6)	81 (36.7)
P1479B	5 (127.0)	92 (41.7)
P1479C	6 (152.4)	104 (47.2)
P1479D	7 (177.8)	115 (52.2)
P1479E	8 (203.2)	127 (57.6)

P1730



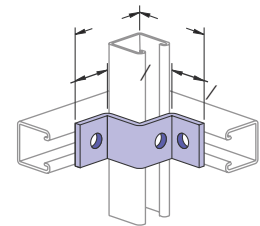
Wt/100 pcs: 54 Lbs (24.5 kg)

P1734



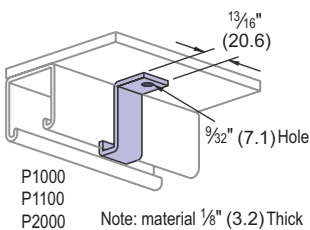
Wt/100 pcs: 70 Lbs (31.8 kg)

P1736



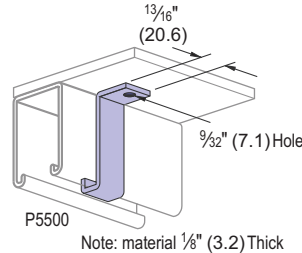
Wt/100 pcs: 70 Lbs (31.8 kg)

P2360



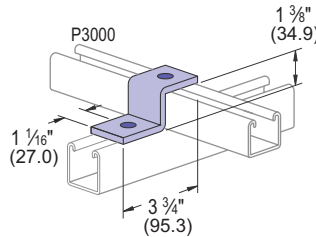
Wt/100 pcs: 9 Lbs (4.1 kg)

P5560



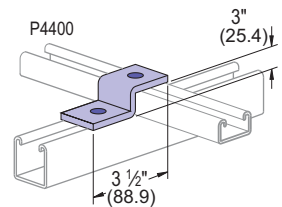
Wt/100 pcs: 11 Lbs (5.0 kg)

P3045 EG, GR, HG



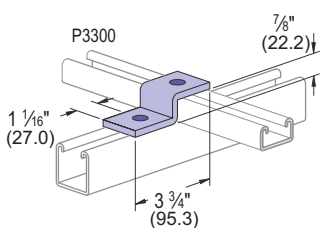
Wt/100 pcs: 53 Lbs (24.0 kg)

P612 EG, GR, HG



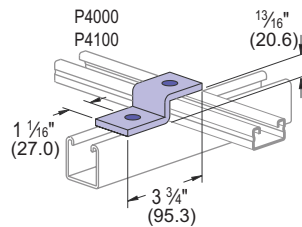
Wt/100 pcs: 47 Lbs (21.3 kg)

P3345 EG, GR, HG



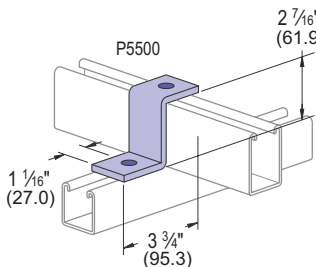
Wt/100 pcs: 47 Lbs (21.3 kg)

P4045 EG, GR, HG



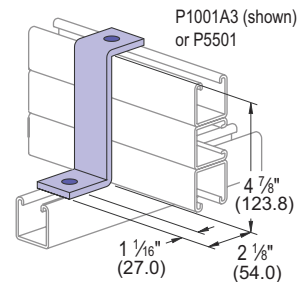
Wt/100 pcs: 47 Lbs (21.3 kg)

P5545 EG, GR, HG



Wt/100 pcs: 67 Lbs (30.4 kg)

P2469



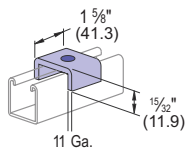
Wt/100 pcs: 93 Lbs (42.2 kg)

Standard Dimensions for 1 5/8" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 1 3/16" (20.6mm); Hole Spacing - On Center: 1 7/8" (47.6mm); Width: 1 5/8" (41.3mm); Thickness: 1/4" (6.4mm) with steel meeting or exceeding ASTM A1011 SS GR 33, or 0.220" (5.6mm) with steel meeting or exceeding ASTM A1011 HSLAS GR 45

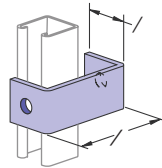
P2800

EG, GR, HG



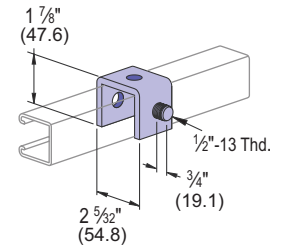
Part Number	Bolt Size (in)	Hole Size (in)	Wt/100 pcs Lbs (kg)
P2800-25	1/4"	9/32"	14
P2800-37	3/8"	7/16"	14
P2800-50	1/2"	9/16"	13
P2800-62	5/8"	1 1/16"	13
P2800-75	3/4"	1 3/16"	13

P1363A THRU P1363E



Part Number	"A" In (mm)	Wt/100 pcs Lbs (kg)
P1363A	4	78
P1363B	5	89
P1363C	6	101
P1363D	7	112
P1363E	8	124

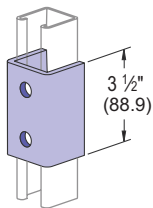
P1320



Wt/100 pcs: 63 Lbs (28.6 kg)

P1376

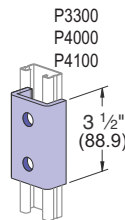
EG, GR, HG



Wt/100 pcs: 128 Lbs (58.1 kg)

P4376

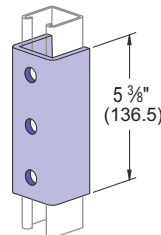
EG, GR, HG



Wt/100 pcs: 85 Lbs (38.6 kg)

P1376A

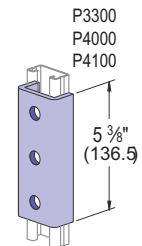
EG, GR, HG



Wt/100 pcs: 197 Lbs (89.4 kg)

P4376A

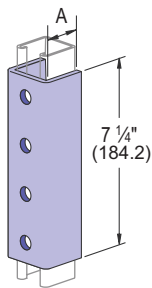
EG, GR, HG



Wt/100 pcs: 130 Lbs (59.0 kg)

P1377, P4377, P5077, P5577

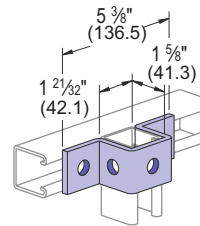
EG, GR, HG



Part Number	For Use With	"A" in (mm)	Wt/100 pcs Lbs (kg)
P1377	P1000, P1100, P2000	1 9/16	265
		39.7	120
P4377	P3300, P4000, P4100	1 5/16	176
		23.8	80
P5077	P5000	3 3/16	390
		81.0	177
P5577	P5500	2 3/8	310
		60.3	141

P1047

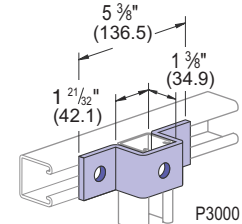
DF, EG, GR, HG



Wt/100 pcs: 88 Lbs (39.9 kg)

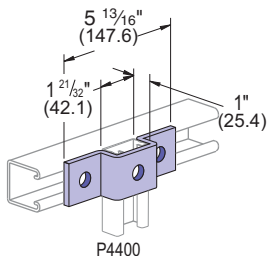
P3047

EG, GR, HG



Wt/100 pcs: 84 Lbs (38.1 kg)

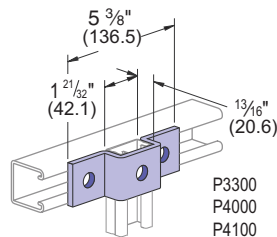
P976



Wt/100 pcs: 71 Lbs (32.2 kg)

P4047

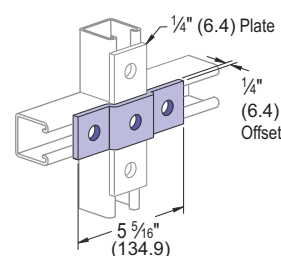
EG, GR, HG



Wt/100 pcs: 71 Lbs (32.2 kg)

P1455

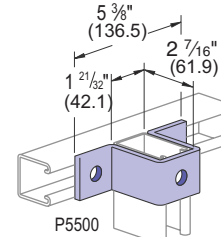
EG, GR, HG



Wt/100 pcs: 58 Lbs (26.3 kg)

P5547

EG, GR, HG

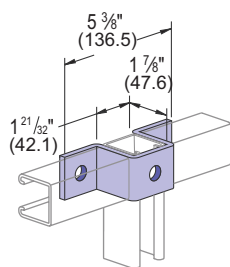


Wt/100 pcs: 108 Lbs (49.0 kg)

Standard Dimensions for 1 5/8" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

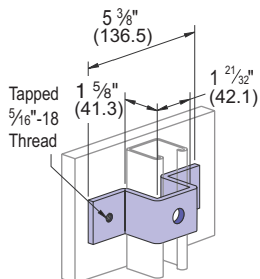
Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 1 3/16" (20.6mm); Hole Spacing - On Center: 1 7/8" (47.6mm); Width: 1 5/8" (41.3mm); Thickness: 1/4" (6.4mm) with steel meeting or exceeding ASTM A1011 SS GR 33, or 0.220" (5.6mm) with steel meeting or exceeding ASTM A1011 HSLAS GR 45

P1383 EG, GR, HG



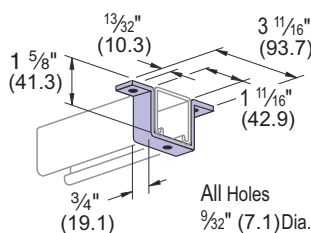
Wt/100 pcs: 95 Lbs (43.1 kg)

P1732 EG, GR, HG



Wt/100 pcs: 88 Lbs (39.9 kg)

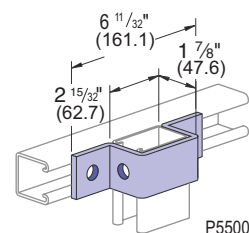
P2237 EG, GR, HG



Material: 1/8" (3.2) thick.

Wt/100 pcs: 18 Lbs (8.2 kg)

P5543 EG, GR, HG

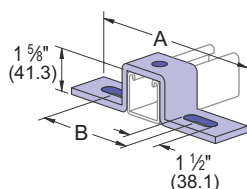


P5500

Wt/100 pcs: 97 Lbs (44.0 kg)

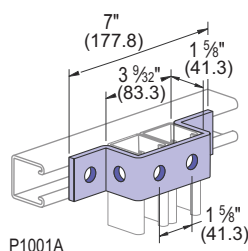
P1048, P1049, P1050

DF, EG, GR, HG



Part Number	"A" In (mm)	"B" In (mm)	Wt/100 pcs Lbs (kg)
P1048	7 1/4 184.2	4 1/8 104.8	105 47.6
P1049	8 1/2 215.9	5 3/8 136.5	120 54.4
P1050	10 3/8 263.5	7 1/4 184.2	130 59.0

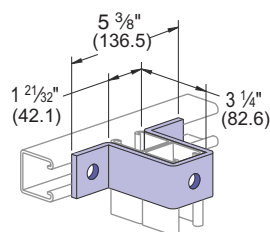
P1043A EG, GR, HG



P1001A

Wt/100 pcs: 105 Lbs (47.6 kg)

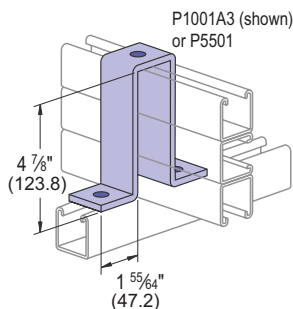
P1737 EG, GR, HG



P1001 (shown), P1101, P2001, P4004 or P5000

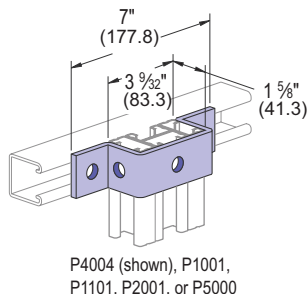
Wt/100 pcs: 128 Lbs (58.1 kg)

P2473 EG, GR, HG



P1001A3 (shown) or P5501

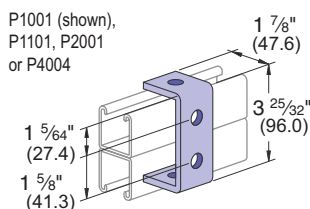
P4043 EG, GR, HG



P4004 (shown), P1001, P1101, P2001, or P5000

Wt/100 pcs: 106 Lbs (48.1 kg)

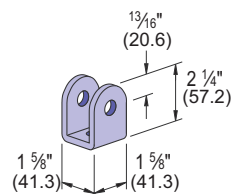
P1044 EG, GR, HG



P1001 (shown), P1101, P2001 or P4004

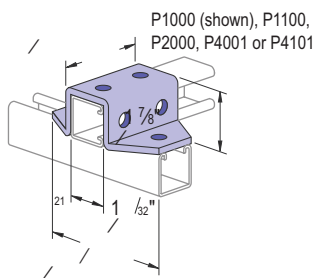
Wt/100 pcs: 70 Lbs (31.8 kg)

P1973 EG, GR, HG



Wt/100 pcs: 53 Lbs (24.0 kg)

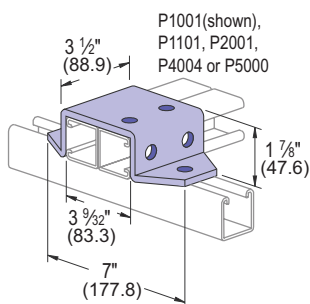
P2326 EG, GR, HG



P1000 (shown), P1100, P2000, P4001 or P4101

Wt/100 pcs: 171 Lbs (77.6 kg)

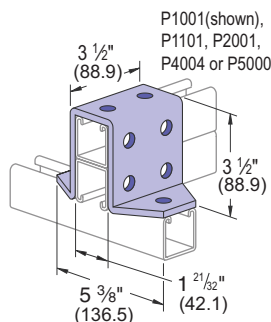
P2328 EG, GR, HG



P1001 (shown), P1101, P2001, P4004 or P5000

Wt/100 pcs: 209 Lbs (94.8 kg)

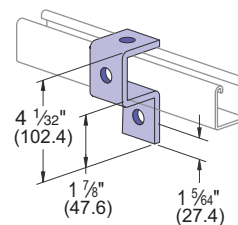
P2329 EG, GR, HG



P1001 (shown), P1101, P2001, P4004 or P5000

Wt/100 pcs: 257 Lbs (116.6 kg)

P1046A EG, GR, HG

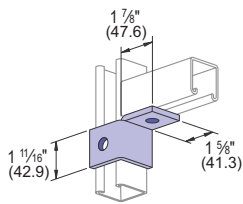


Wt/100 pcs: 76 Lbs (34.5 kg)

Standard Dimensions for 1 5/8" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1 7/8" (47.6mm); Width: 1 5/8" (41.3mm); Thickness: 1/4" (6.4mm) with steel meeting or exceeding ASTM A1011 SS GR 33, or 0.220" (5.6mm) with steel meeting or exceeding ASTM A1011 HSLAS GR 45

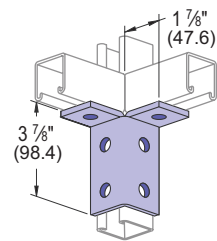
P2341 R-L EG, GR, HG



R - As shown
L - Opposite hand

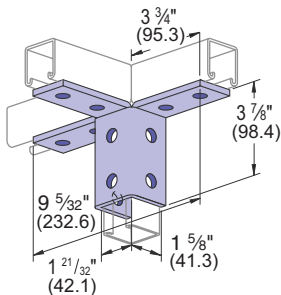
Wt/100 pcs: 60 Lbs (27.2 kg)

P2224 EG, GR, HG



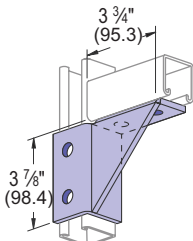
Wt/100 pcs: 115 Lbs (52.2 kg)

P2229 EG, GR, HG



Wt/100 pcs: 230 Lbs (104.3 kg)

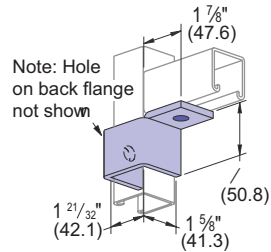
P2344 R-L EG, GR, HG



R - As shown
L - Opposite hand

Wt/100 pcs: 176 Lbs (79.8 kg)

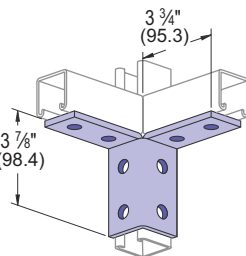
P2472 R-L EG, GR, HG



R - As shown
L - Opposite hand

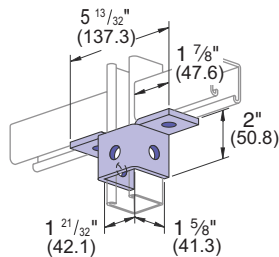
Wt/100 pcs: 75 Lbs (34.0 kg)

P2225 EG, GR, HG



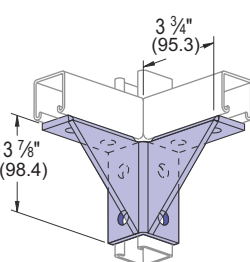
Wt/100 pcs: 155 Lbs (70.3 kg)

P2345 EG, GR, HG



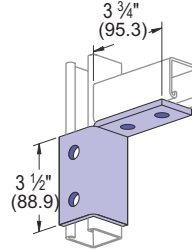
Wt/100 pcs: 93 Lbs (42.2 kg)

P2226 EG, GR, HG



Wt/100 pcs: 217 Lbs (98.4 kg)

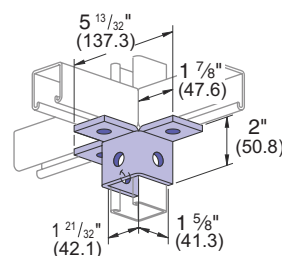
P2343 R-L



R - As shown
L - Opposite hand

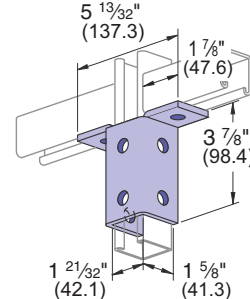
Wt/100 pcs: 119 Lbs (54.0 kg)

P2227 EG, GR, HG



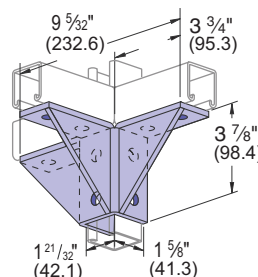
Wt/100 pcs: 113 Lbs (51.3 kg)

P2346 EG, GR, HG



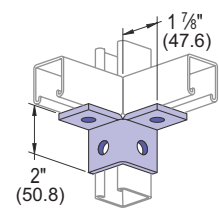
Wt/100 pcs: 150 Lbs (68.0 kg)

P2230 EG, GR, HG



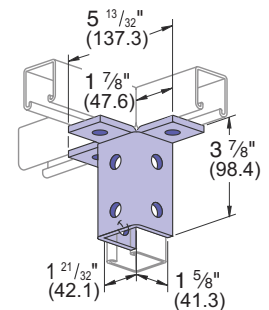
Wt/100 pcs: 310 Lbs (140.6 kg)

P2223 EG, GR, HG



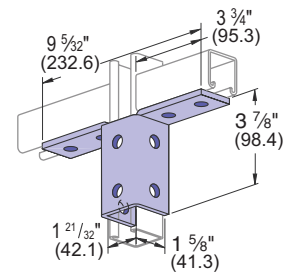
Wt/100 pcs: 76 Lbs (34.5 kg)

P2228 EG, GR, HG



Wt/100 pcs: 177 Lbs (80.3 kg)

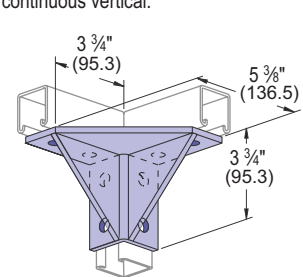
P2347 EG, GR, HG



Wt/100 pcs: 193 Lbs (87.5 kg)

P2245 EG, GR, HG

Fitting notched for continuous vertical.

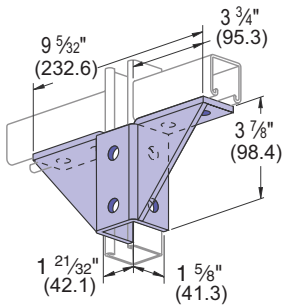


Wt/100 pcs: 315 Lbs (142.9 kg)

Standard Dimensions for 1 5/8" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

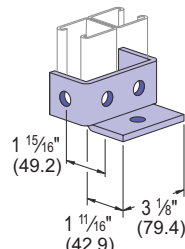
Hole Diameter: 5/16" (14.3mm); Hole Spacing - From End: 1 3/16" (20.6mm); Hole Spacing - On Center: 1 7/8" (47.6mm); Width: 1 5/8" (41.3mm); Thickness: 1/4" (6.4mm) with steel meeting or exceeding ASTM A1011 SS GR 33, or 0.220" (5.6mm) with steel meeting or exceeding ASTM A1011 HSLAS GR 45

P2348 EG, GR, HG



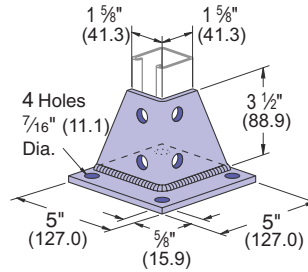
Wt/100 pcs: 274 Lbs (124.3 kg)

P2453 EG, GR, HG



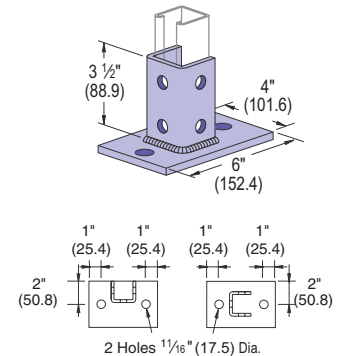
Wt/100 pcs: 116 Lbs (52.6 kg)

P1887 EG, GR, HG



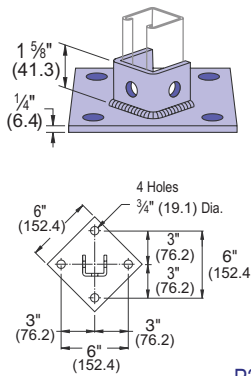
Wt/100 pcs: 297 Lbs (134.8 kg)

P2941, P2942 EG, GR, HG



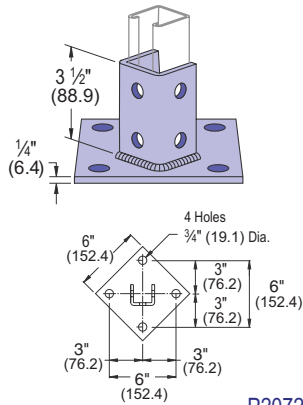
P2941 P2942
Wt/100 pcs: 358 Lbs (162.4 kg)

P2072, P2072 SQ EG, GR, HG



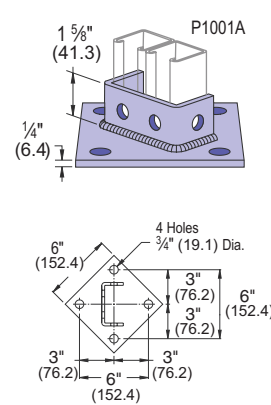
P2072

P2072A, P2072A SQ DF, EG, GR, HG



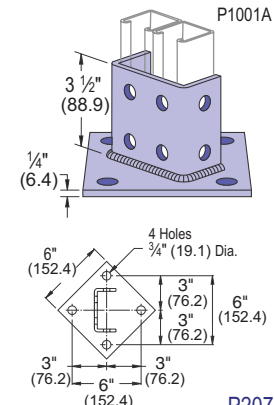
P2072A

P2073, P2073 SQ EG, GR, HG

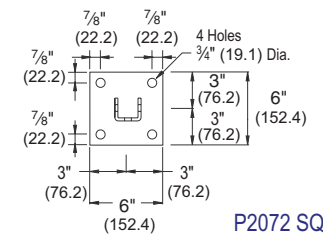


P2073

P2073A, P2073A SQ EG, GR, HG

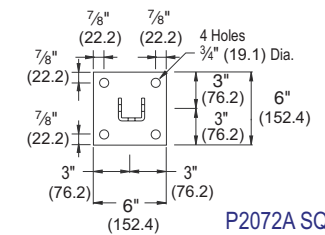


P2073A



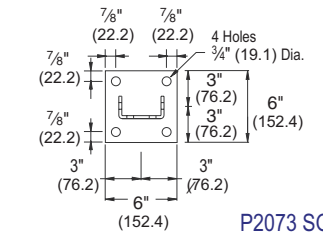
P2072 SQ

Wt/100 pcs: 307 Lbs (139.3 kg)



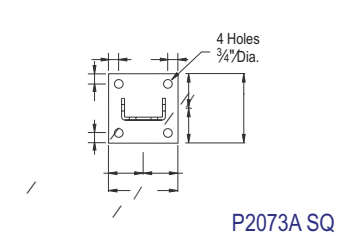
P2072A SQ

Wt/100 pcs: 373 Lbs (169.2 kg)



P2073 SQ

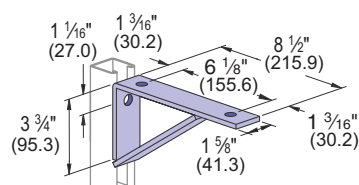
Wt/100 pcs: 325 Lbs (147.4 kg)



P2073A SQ

Wt/100 pcs: 408 Lbs (185.1 kg)

P1769 EG, GR



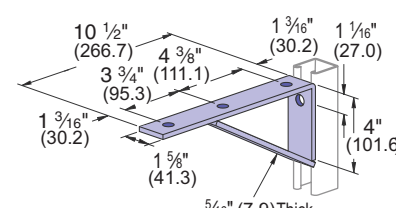
Material: 1/4" (6.4) thick steel.

Wt/100 pcs: 174 Lbs (78.9 kg)

Vertical Channel		Uniform Design Load
Part No.	Gauge	Lbs (kN)
P1000	12	800 3.56
P1100	14	600 2.67
P2000	16	400 1.81

Safety Factor 2 1/2

P1771 EG, GR



Material: 1/4" (6.4) thick steel.

Wt/100 pcs: 206 Lbs (93.4 kg)

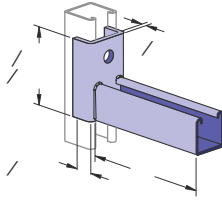
Vertical Channel		Uniform Design Load
Part No.	Gauge	Lbs (kN)
P1000	12	800 3.56
P1100	14	600 2.67
P2000	16	400 1.81

Safety Factor 2 1/2

Standard Dimensions for 1 5/8" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 1 3/16" (20.6mm); Hole Spacing - On Center: 1 7/8" (47.6mm); Width: 1 5/8" (41.3mm); Thickness: 1/4" (6.4mm) with steel meeting or exceeding ASTM A1011 SS GR 33, or 0.220" (5.6mm) with steel meeting or exceeding ASTM A1011 HSLAS GR 45

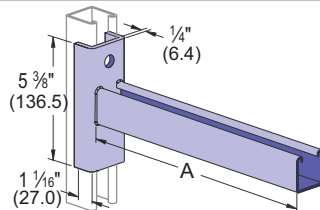
P2231, P2232



Part Number	"A" In (mm)	Wt/100 pcs Lbs (kg)	Vertical Channel Part No. Gauge	Uniform Design Load Lbs (kN)
P2231	6 152.4	191 86.6	P1000 12	1,600 (7.12)
			P1100 14	1,200 (5.34)
			P2000 16	800 (3.56)
P2232	12 304.8	292 132.4	P1000 12	800 (3.56)
			P1100 14	600 (2.67)
			P2000 16	400 (1.78)

Safety Factor - 2½

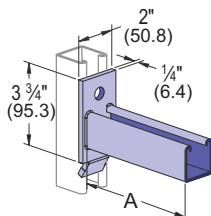
P2233, P2234



Part Number	"A" In (mm)	Wt/100 pcs Lbs (kg)	Vertical Channel Part No. Gauge	Uniform Design Load Lbs (kN)
P2233	18 457.2	436 197.8	P1000 12	600 (2.67)
			P1100 14	450 (2.00)
			P2000 16	300 (1.33)
P2234	24 609.6	536 243.1	P1000 12	450 (2.00)
			P1100 14	330 (1.47)
			P2000 16	220 (.98)

Safety Factor - 2½

P2513 THRU P2516

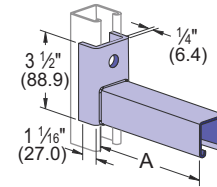


When installed in inverted position use 60% of loads shown.

Safety Factor 2½

Part Number	"A" In (mm)	Wt/100 pcs Lbs (kg)	Vertical Channel Part No. Gauge	Uniform Design Load Lbs (kN)
P2513	6 152.4	161 73.0	P1000 12	1,200 (5.34)
			P1100 14	800 (3.56)
			P2000 16	600 (2.67)
P2514	12 304.8	261 118.4	P1000 12	600 (2.67)
			P1100 14	400 (1.78)
			P2000 16	300 (1.33)
P2515	18 457.2	361 163.7	P1000 12	400 (1.78)
			P1100 14	270 (1.20)
			P2000 16	200 (.89)
P2516	24 609.6	461 209.1	P1000 12	300 (1.33)
			P1100 14	200 (.89)
			P2000 16	150 (.67)

P2231A, P2232A

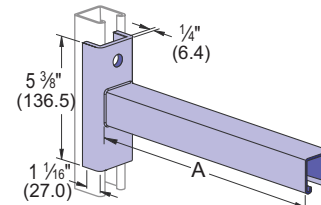


Part Number	"A" In (mm)	Wt/100 pcs Lbs (kg)	Vertical Channel Part No. Gauge	Uniform Design Load Lbs (kN)
P2231A	6 152.4	191 86.6	P1000 12	1,600 (7.12)
			P1100 14	1,200 (5.34)
			P2000 16	800 (3.56)
P2232A	12 304.8	292 132.4	P1000 12	800 (3.56)
			P1100 14	600 (2.67)
			P2000 16	400 (1.78)

Safety Factor - 2½

P2233A, P2234A

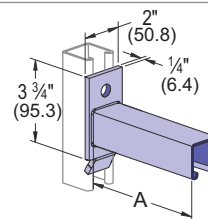
GR, HG



Part Number	"A" In (mm)	Wt/100 pcs Lbs (kg)	Vertical Channel Part No. Gauge	Uniform Design Load Lbs (kN)
P2233A	18 457.2	436 197.8	P1000 12	600 (2.67)
			P1100 14	450 (2.00)
			P2000 16	300 (1.33)
P2234A	24 609.6	536 243.1	P1000 12	450 (2.00)
			P1100 14	330 (1.47)
			P2000 16	220 (.98)

Safety Factor - 2½

P2513A THRU P2516A



When installed in inverted position use 60% of loads shown.

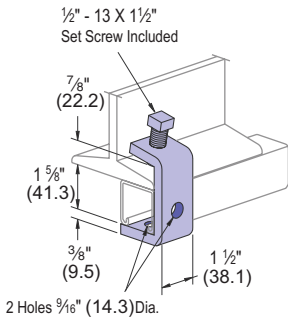
Safety Factor 2½

Part Number	"A" In (mm)	Wt/100 pcs Lbs (kg)	Vertical Channel Part No. Gauge	Uniform Design Load Lbs (kN)
P2513A	6 152.4	161 73.0	P1000 12	1,200 (5.34)
			P1100 14	800 (3.56)
			P2000 16	600 (2.67)
P2514A	12 304.8	261 118.4	P1000 12	600 (2.67)
			P1100 14	400 (1.78)
			P2000 16	300 (1.33)
P2515A	18 457.2	361 163.7	P1000 12	400 (1.78)
			P1100 14	270 (1.20)
			P2000 16	200 (.89)
P2516A	24 609.6	461 209.1	P1000 12	300 (1.33)
			P1100 14	200 (.89)
			P2000 16	150 (.67)

Standard Dimensions for 1½" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: ⅝" (14.3mm); Hole Spacing - From End: 1⅜" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1½" (41.3mm); Thickness: ¼" (6.4mm)

P1271S

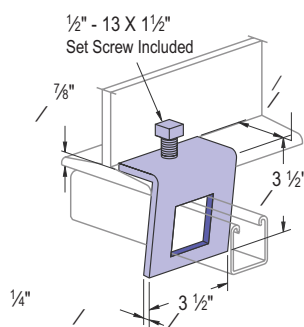


Note: Requires P1010 Channel Nut and bolt.

Design Load Each
500 Lbs (2.22 kN)
Use in Pairs Only

Wt/100 pcs: 95 Lbs (43.1 kg)

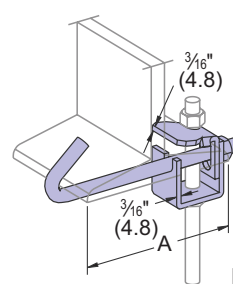
P1796S



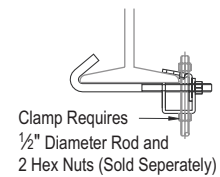
Design Load Each
500 Lbs (2.22 kN)
Use in Pairs Only

Wt/100 pcs: 91 Lbs (41.3 kg)

P2824-6,-9,-12



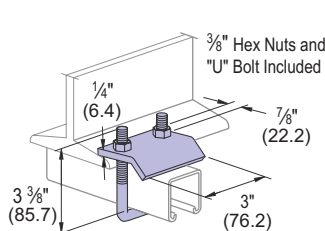
For use with Beams up to 3/4" (19.1) max flange thickness



Clamp Requires 1/2" Diameter Rod and 2 Hex Nuts (Sold Separately)

Part Number	"A" In (mm)	Wt/100 pcs Lbs (kg)	Design Load Lbs (kN)
P2824-6	2 1/2 - 6 63.5 - 152.4	125 56.7	500 2.22
P2824-9	5 1/2 - 9 139.7 - 228.6	140 63.5	500 2.22
P2824-12	8 1/2 - 12 215.9 - 304.8	171 77.6	500 2.22

P2785

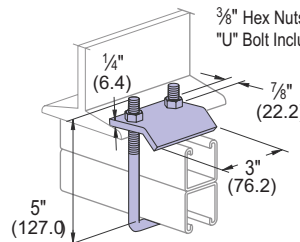


• For use with Beams up to 3/4" (19.1) Flanges and with Channels P1000, P1100, P2000, P3000, P3300, P3301, P4000, P4001, P4100, and P4101.

Design Load Each
1000 Lbs (4.45 kN)
Use in Pairs Only

Wt/100 pcs: 83 Lbs (37.6 kg)

P2786

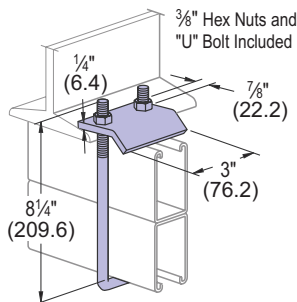


• For use with Beams up to 3/4" (19.1) Flanges and with Channels P1001, P1101, P2001, P3001, P5000, and P5500.

Design Load Each
1000 Lbs (4.45 kN)
Use in Pairs Only

Wt/100 pcs: 92 Lbs (41.7 kg)

P2787

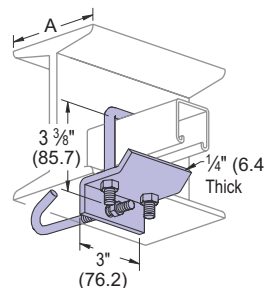


• For use with Beams up to 3/4" (19.1) Flanges and with Channels P5001 and P5501.

Design Load Each
1000 Lbs (4.45 kN)
Use in Pairs Only

Wt/100 pcs: 112 Lbs (50.8 kg)

P2867

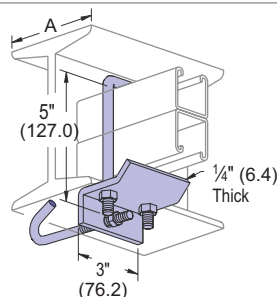


Part Number	Beam Size "A"	Wt/100 pcs Lbs (kg)
P2867	4"-6"	142 (64.4)
P2867-9	6"-9"	151 (68.5)
P2867-12	9"-12"	160 (72.6)
P2867-15	12"-15"	170 (77.1)
P2867-18	15"-18"	179 (81.2)

• Includes: "J" Bolt, "U" Bolt and Hex Nuts.

• For use with Channels P1000, P1100, P2000, P3000, P3300, P3301, P4000, P4001, P4100, and P4101.

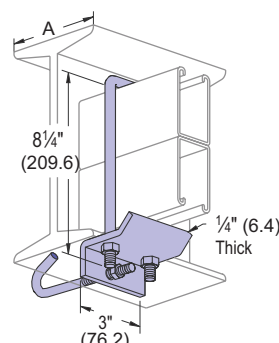
P2867A



Part Number	Beam Size "A"	Wt/100 pcs Lbs (kg)
P2867A	4"-6"	151 (68.5)
P2867A-9	6"-9"	157 (71.2)
P2867A-12	9"-12"	166 (75.3)
P2867A-15	12"-15"	176 (79.8)
P2867A-18	15"-18"	185 (83.9)

• Includes: "J" Bolt, "U" Bolt and Hex Nuts.
• For use with Channel P1001, P1101, P2001, P3001, P5000, and P5500.

P2867B



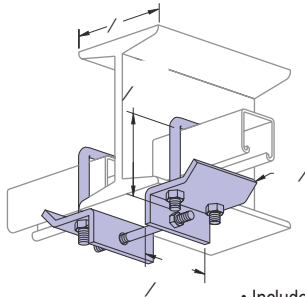
Part Number	Beam Size "A"	Wt/100 pcs Lbs (kg)
P2867B	4"-6"	161 (73.0)
P2867B-9	6"-9"	167 (75.7)
P2867B-12	9"-12"	176 (79.8)
P2867B-15	12"-15"	186 (84.4)
P2867B-18	15"-18"	195 (88.5)

• Includes: "J" Bolt, "U" Bolt and Hex Nuts.
• For use with Channel P5001, and P5501.

Note: When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping. Clamps are designed to be used with W, M, S & HP Shape beams, Standard C & Misc. MC Channels, Angles & Structural Tees. Clamps must be used in pairs where indicated. For beam clamps with HG finish, standard hardware is EG finish. For optional stainless steel hardware, please contact the factory for availability.

P2868

EG GR HG

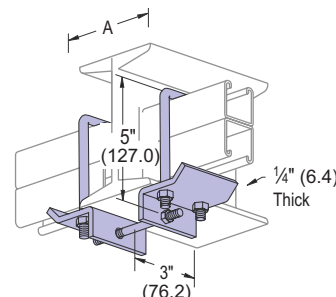


Part Number	Beam Size "A"	Wt/100 pcs Lbs (kg)
P2868	4"-6"	282 (127.9)
P2868-9	6"-9"	289 (131.1)
P2868-12	9"-12"	296 (134.3)
P2868-15	12"-15"	304 (137.9)
P2868-18	15"-18"	311 (141.1)

- Includes: Center Rod, "U" Bolts and Hex Nuts.
- For use with Channels P1000, P1100, P2000, P3000, P3300, P3301, P4000, P4001, P4100, and P4101.

P2868A

EG GR HG

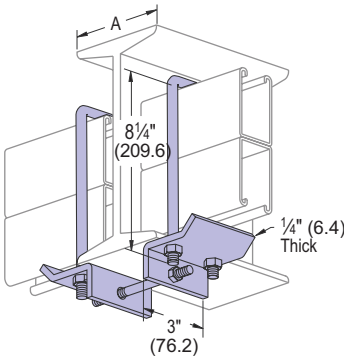


Part Number	Beam Size "A"	Wt/100 pcs Lbs (kg)
P2868A	4"-6"	300 (136.1)
P2868A-9	6"-9"	307 (139.3)
P2868A-12	9"-12"	314 (142.2)
P2868A-15	12"-15"	322 (146.1)
P2868A-18	15"-18"	329 (149.2)

- Includes: Center Rod, "U" Bolts and Hex Nuts.
- For use with Channels P1001, P1101, P2001, P3001, P5000, and P5500.

P2868B

EG GR HG

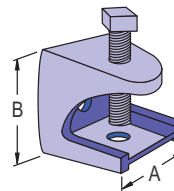


Part Number	Beam Size "A"	Wt/100 pcs Lbs (kg)
P2868B	4"-6"	320 (145.1)
P2868B-9	6"-9"	327 (148.3)
P2868B-12	9"-12"	334 (151.5)
P2868B-15	12"-15"	342 (155.1)
P2868B-18	15"-18"	349 (153.3)

- Includes: Center Rod, "U" Bolts and Hex Nuts.
- For use with Channels P5001, and P5501.

P2894

EG

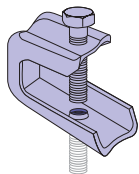


Material: Malleable Iron
 7/8" Maximum Flange Thickness
 Note: Tapped Hole on Top and Bottom

Part Number	Rod Size In	"A" In (mm)	"B" In (mm)	Load Ratings Lbs (kN)	Wt/100 pcs Lbs (kg)
P2894-25	1/4	1 1/8 28.6	1 1/4 31.8	150 .67	23 10.4
P2894-37	3/8	2 50.8	2 50.8	350 1.56	95 43.1
P2894-50	1/2	2 3/8 66.7	2 1/2 63.5	400 1.78	195 88.5

P2893

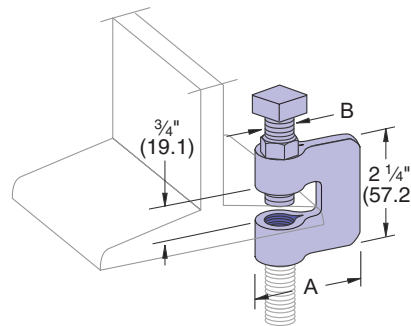
EG



Material: Steel
 Use With: 1/4" rod
 Load Rating: 75 lbs. (.33 kN)

Wt/100 pcs: 14 lbs. (6.4 kg)

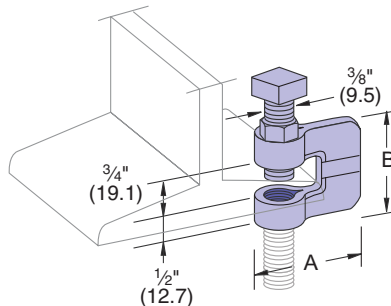
P2895



Material: Steel

Part Number	Rod Size In	"A" In (mm)	"B" In (mm)	Load Ratings Lbs (kN)	Wt/100 pcs Lbs (kg)
P2895-37	3/8	2 5/16 58.7	3/8 9.5	330 1.47	35 15.9
P2895-50	1/2	2 1/4 57.2	1/2 12.7	380 1.69	41 18.6
P2895-62	5/8	2 3/8 60.3	5/8 15.9	450 2.00	67 30.4
P2895-75	3/4	2 1/4 57.2	1/2 12.7	500 2.22	72 32.7

P2896



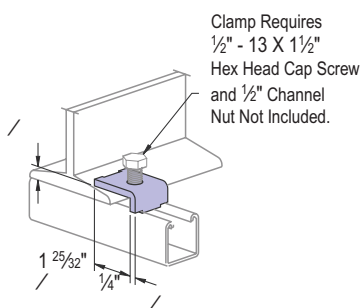
Material: Malleable Iron,
 Steel Set Screw

Part Number	Rod Size In	"A" In (mm)	"B" In (mm)	Load Ratings Lbs (kN)	Wt/100 pcs Lbs (kg)
P2896-37	3/8	1 11/16 42.9	1 1/4 44.5	400 1.78	38 17.2
P2896-50	1/2	1 23/32 43.7	1 1/4 44.5	400 1.78	52 23.6
P2896-62	5/8	1 15/16 49.2	2 50.8	450 2.00	68 30.8
P2896-75	3/4	2 1/32 51.6	2 50.8	600 2.67	128 58.1

Note: When used for mechanical supports, load capacities of brackets, fittings and other supporting elements should be in compliance with the American Standard Code for Pressure Piping. Clamps are designed to be used with W, M, S & HP Shape beams, Standard C & Misc. MC Channels, Angles & Structural Tees. Clamps must be used in pairs where indicated. For beam clamps with HG finish, standard hardware is EG finish. For optional stainless steel hardware, please contact the factory for availability.

P1386

DF, EG, GR, HG

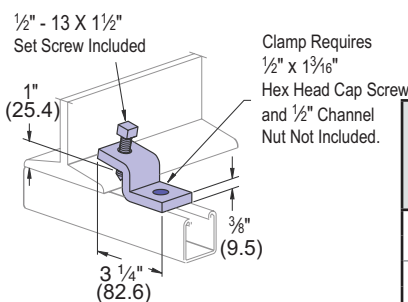


Channel Style	Design Load Each (Use in Pairs Only) Lbs (kN)
P1000	600 2.67
P1100	500 2.22
P2000	450 2.00

Wt/100 pcs: 27 Lbs (12.2 kg)

P1379S

EG GR HG

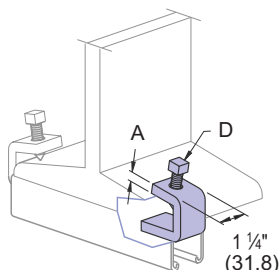


Channel Style	Design Load Each (Use in Pairs Only) Lbs (kN)
P1000	600 2.67
P1100	500 2.22
P2000	450 2.00

Wt/100 pcs: 75 Lbs (34.0kg)

P1272S, P1985S, P1986S

EG GR HG

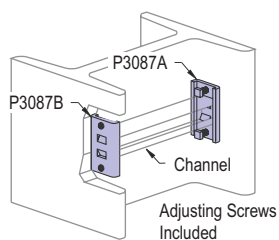


Part Number	"A" In (mm)	Flange Thickness In (mm)	"D" Set Screw Included	Wt/100 pcs Lbs (kg)	Design Load Per Pair (Use in Pairs Only) Lbs (kN)
P1272S	1/4 6.4	Up to 3/4 Up to 19.1	3/8-16 x 1 1/2	39 17.7	450 2.00
P1985S	3/8 9.5	Up to 3/4 Up to 19.1	1/2-13 x 1 1/2	62 28.1	1,000 4.45
P1986S	3/8 9.5	1/2 to 2 22.2 - 50.8	1/2-13 x 1 1/2	74 33.6	900 4.00

P3087

COLUMN INSERT

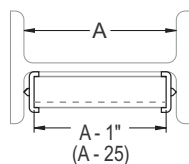
EG



Channel Part Number	Design Pull Out Load Lbs (kN)	Design Slip Load Lbs (kN)
P1000	1,000 4.45	800 3.56
P1100	700 3.34	500 2.22
P2000	500 2.22	300 1.33

Safety factor of 3.

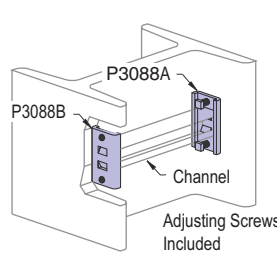
- Adjusting Screws Included.
- Robexstrut channel not included.
- Part number P3087 consists of:
 - (1) piece P3087A,
 - (1) piece P3087B and
 - (2) set screws, 3/8" Dia.



Wt/100 pcs: 136 Lbs (61.7 kg)

P3088

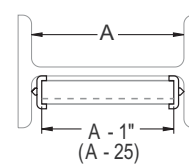
COLUMN INSERT



Channel Part Number	Design Pull Out Load Lbs (kN)	Design Slip Load Lbs (kN)
P3300	1,000 4.45	800 3.56
P4100	700 3.11	500 2.22
P4000	500 2.22	300 1.33

Safety factor of 3.

- Adjusting Screws Included.
- Robexstrut channel not included.
- Part number P3088 consists of:
 - (1) piece P3088A,
 - (1) piece P3088B and
 - (2) set screws, 3/8" Dia.

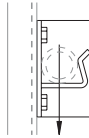
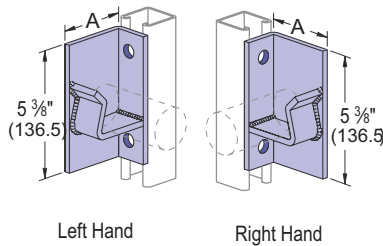


Wt/100 pcs: 120 Lbs (54.4 kg)

Note: When used for mechanical supports, load capacities of brackets, fittings and other supporting elements should be in compliance with the American Standard Code for Pressure Piping. Clamps are designed to be used with W, M, S & HP Shape beams, Standard C & Misc. MC Channels, Angles & Structural Tees. Clamps must be used in pairs where indicated. For beam clamps with HG finish, standard hardware is EG finish. For optional stainless steel hardware, please contact the factory for availability.

P2354 R-L, P2355 R-L

REEL RACK SUPPORTS FOR 1 1/4" & 2" PIPE



Vertical Channel	Max. Allowable Load
Part No. Gauge	Lbs (kN)
P1000 12	3,000 (13.34)
P1100 14	2,000 (8.90)
P2000 16	2,000 (8.90)

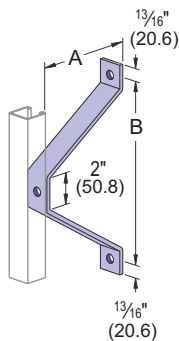
Part Number	"A" In (mm)	Std. Pipe Size In (mm)	Wt/100 pcs Lbs (kg)
P2354 R-L	3 76.2	1 1/4 31.8	220 99.8
P2355 R-L	3 92.1	2 50.8	252 114.3

P1204 THRU P1208

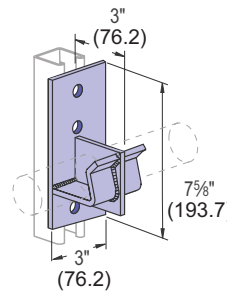
WALL LADDER BRACKET

P2454

DOUBLE PIPE AXLE SUPPORT



Part Number	"A" In (mm)	"B" In (mm)	Wt/100 pcs Lbs (kg)
P1204	2 60.3	6 152.4	113 51.3
P1205	4 111.1	8 203.2	164 74.4
P1206	6 161.9	10 254.0	216 98.0
P1207	8 212.7	12 304.8	267 121.1
P1208	10 263.5	14 355.6	318 144.2



Load Rating 4,000 Lbs (17.79 kN)

For 1 1/4" (31.8) Standard Pipe

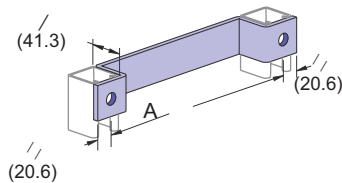
Wt/100 pcs: 310 Lbs (140.6 kg)

P1201, P1202, P1203

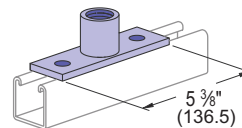
LADDER RUNG

P2470-50, -75, -100

PIPE COUPLING FITTING



Part Number	"A" In (mm)	Wt/100 pcs Lbs (kg)
P1201	12 304.8	186 84.4
P1202	15 381.0	221 100.2
P1203	18 457.2	254 115.2



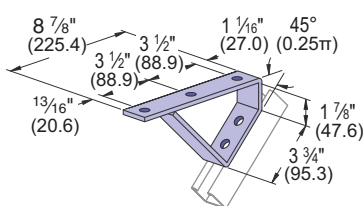
Part Number	Size In	Wt/100 pcs Lbs (kg)
P2470-50	1/2	77 (34.9)
P2470-75	3/4	93 (42.2)
P2470-100	1	103 (46.7)

P1944

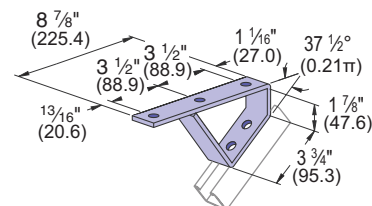
45° (.25π) STAIR TREAD SUPPORT

P2655

37 1/2° (.21π) STAIR TREAD SUPPORT



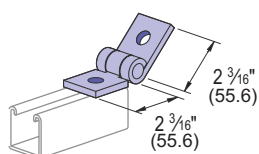
Wt/100 pcs: 220 Lbs (99.8 kg)



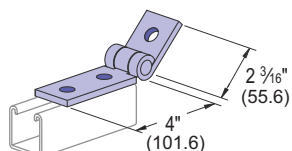
Wt/100 pcs: 213 Lbs (96.6 kg)

Standard Dimensions for 1 1/8" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

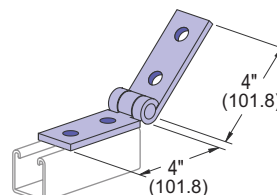
Hole Diameter: 5/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1 7/8" (47.6mm); Width: 1 1/8" (41.3mm); Thickness: 1/4" (6.4mm) with steel meeting or exceeding ASTM A1011 SS GR 33, or 0.220" (5.6mm) with steel meeting or exceeding ASTM A1011 HSLAS GR 45

P1843 ADJ. HINGE CONNECTION 

Wt/100 pcs: 68 Lbs (30.8 kg)

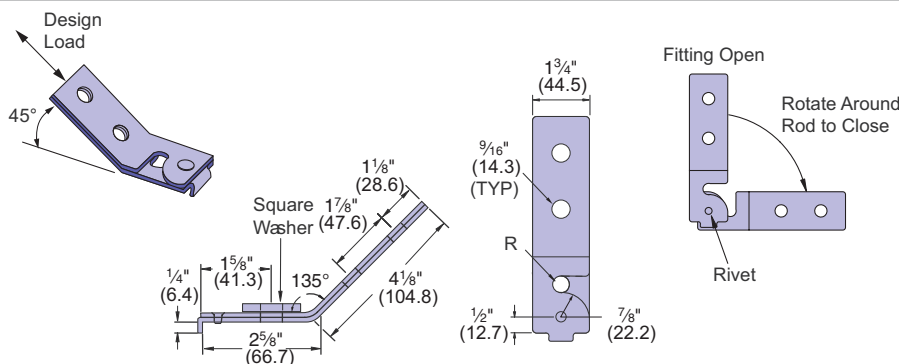
P1354A ADJ. HINGE CONNECTION eq qr

Wt/100 pcs: 89 Lbs (40.4 kg)

P1354 ADJ. HINGE CONNECTION EG GR

Wt/100 pcs: 109 Lbs (49.4 kg)

SPF® 100



SEISMIC PIVOT FITTINGS

Part Number	Rod Size In (mm)	"R" - Hole Diameter In (mm)	Design Load Lbs (KN)
SPF 100-037	3/8	7/16	1,400
	9.5	11.1	6.23
SPF 100-050	1/2	9/16	2,100
	12.7	14.3	9.34
SPF 100-062	5/8	11/16	2,100
	15.9	17.5	9.34
SPF 100-075	3/4	13/16	2,400
	19.1	20.6	10.68

Safety Factor = 3

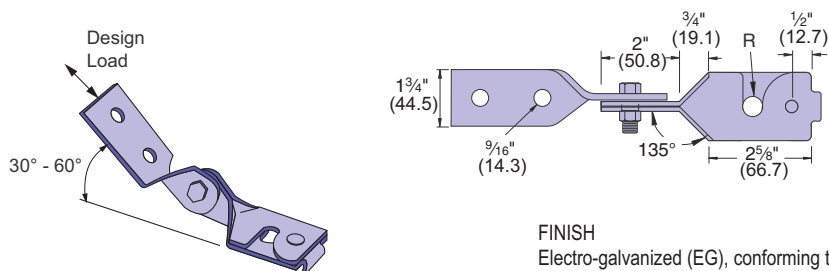
FINISH

Electro-galvanized (EG), conforming to ASTM B633 Type III SC1.

Notes:

1. Design load is limited to slip capacity of a channel nut at hole "R".
2. Allowable loads have been determined by the manufacturers testing, analysis and technical specifications.
3. For retrofit application, engineer of record must verify.
4. Square washer provided with fitting.
5. When a hanger rod is thru-bolted (in lieu of channel nut installation), higher transverse loads may be transmitted due to the higher allowed rod shear loads compared to channel nut slip values. This higher load may be used with verification through engineering calculations.

SPF® 200



FINISH

Electro-galvanized (EG), conforming to ASTM B633 Type III SC1.

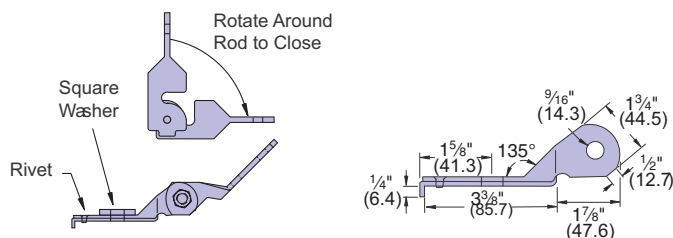
ADJUSTABLE SEISMIC PIVOT FITTINGS

Part Number	Rod Size In (mm)	"R" - Hole Diameter In (mm)	Design Load Lbs (KN)
SPF 200-037	⅝	7/16	1,400
	9.5	11.1	6.23
SPF 200-050	½	9/16	2,100
	12.7	14.3	9.34
SPF 200-062	⅝	11/16	2,100
	15.9	17.5	9.34
SPF 200-075	¾	13/16	2,400
	19.1	20.6	10.68

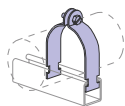
Safety Factor = 3.0

Notes:

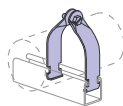
1. Design load is limited to slip capacity of a channel nut at hole "R"..
2. Allowable loads have been determined by the manufacturers testing, analysis and technical specifications at 45° from horizontal.
3. For retrofit application, engineer of record must verify.
4. Square washer provided with fitting.
5. When a hanger rod is thru-bolted (in lieu of channel nut installation), higher transverse loads may be transmitted due to the higher allowed rod shear loads compared to channel nut slip values. This higher load may be used with verification through engineering calculations.



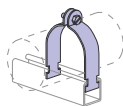
Pipe & Conduit Clamps



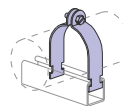
P1109 - Pg 108



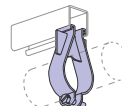
P1211 - Pg 109



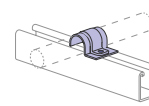
P1425 - Pg 109



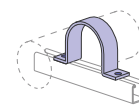
P2024 - Pg 110



P1563 - Pg 109



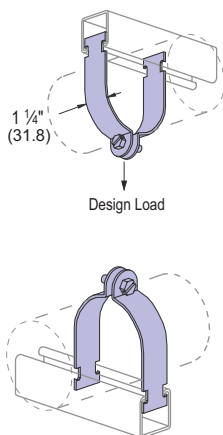
P2008 - Pg 109



P2558 - Pg 110

P1109 THRU P1126

PIPE CLAMPS FOR RIGID STEEL CONDUIT **EG HG**



Part No.	Conduit Size In	O.D. Size In (mm)	Thickness Gauge (mm)	Wt/100 pcs Lbs (kg)	Design Load Lbs (kN)
P1109	3/8	0.675 17.1	16 1.5	10 4.5	400 1.78
P1111	1/2	0.840 21.3	16 1.5	11 5.0	400 1.78
P1112	3/4	1.050 26.7	14 1.9	15 6.8	600 2.67
P1113	1	1.315 33.4	14 1.9	17 7.7	600 2.67
P1114	1 1/4	1.660 42.2	14 1.9	19 8.6	600 2.67
P1115	1 1/2	1.900 48.3	12 2.7	29 13.2	800 3.56
P1117	2	2.375 60.3	12 2.7	34 15.4	800 3.56

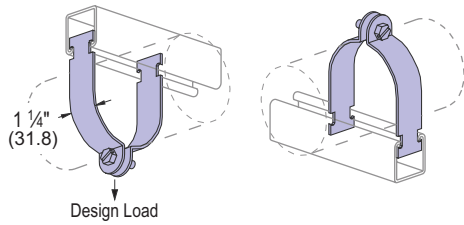
Part No.	Conduit Size In	O.D. Size In (mm)	Thickness Gauge (mm)	Wt/100 pcs Lbs (kg)	Design Load Lbs (kN)
P1118	2 1/2	2.875 73.0	12 2.7	40 18.1	800 3.56
P1119	3	3.500 88.9	12 2.7	47 21.3	800 3.56
P1120	3 1/2	4.000 101.6	11 3.0	62 28.1	1,000 4.45
P1121	4	4.500 114.3	11 3.0	67 30.4	1,000 4.45
P1123	5	5.563 141.3	11 3.0	80 36.3	1,000 4.45
P1124	6	6.625 168.3	10 3.4	102 46.3	1,000 4.45
P1126	8	8.625 219.1	10 3.4	130 59.0	1,000 4.45

Slotted hex head screw and nut included

P1425 THRU P1431

PIPE CLAMPS FOR THIN WALL CONDUIT (E.M.T.)

DF EG HG



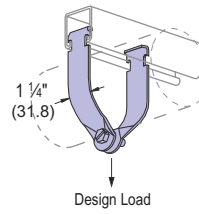
Slotted hex head screw and nut included

Part No.	Conduit Size In (mm)	O.D. Size In (mm)	Thickness Gauge (mm)	Wt/100 pcs Lbs (kg)	Design Load Lbs (kN)
P1425	3/8	0.577	16	9	400
	9.5	14.7	1.5	4.1	1.78
P1426	1/2	0.706	16	11	400
	12.7	17.9	1.5	5.0	1.78
P1427	3/4	0.922	16	12	400
	19.1	23.4	1.5	5.4	1.78
P1428	1	1.163	14	15	600
	25.4	29.5	1.9	6.8	2.67
P1429	1 1/4	1.510	14	18	600
	31.8	38.4	1.9	8.2	2.67
P1430	1 1/2	1.740	12	29	800
	38.1	44.2	2.7	13.2	3.56
P1431	2	2.197	12	33	800
	50.8	55.8	2.7	15.0	3.56
P1118	2 1/2	2.875	12	40	800
	63.5	73.0	2.7	18.1	3.56
P1119	3	3.500	12	47	800
	76.2	88.9	2.7	21.3	3.56
P1120	3 1/2	4.000	11	62	1,000
	88.9	101.6	3.0	28.1	4.45
P1121	4	4.500	11	67	1,000
	101.6	114.3	3.0	30.4	4.45

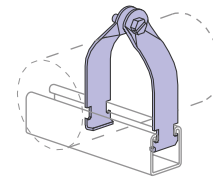
P1211 THRU P1217

UNIVERSAL CLAMPS FOR RIGID OR THINWALL CONDUIT

DF EG HG



Design Load



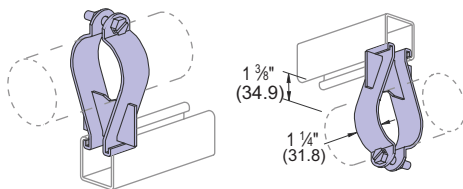
Slotted hex head screw and nut included

Part No.	Conduit Size In (mm)	Thickness Gauge (mm)	Wt/100 pcs Lbs (kg)	Design Load Lbs (kN)
P1211	1/2	16	10	400
	12.7	1.5	4.5	1.78
P1212	3/4	16	11	400
	19.1	1.5	5.0	1.78
P1213	1	16	12	400
	25.4	1.5	5.4	1.78
P1214	1 1/4	14	18	600
	31.8	1.9	8.2	2.67
P1215	1 1/2	14	20	600
	38.1	1.9	9.1	2.67
P1217	2	14	22	600
	50.8	1.9	10.0	2.67
P1118	2 1/2	12	40	800
	63.5	2.7	18.1	3.56
P1119	3	12	47	800
	76.2	2.7	21.3	3.56
P1120	3 1/2	11	62	1,000
	88.9	3.0	28.1	4.45
P1121	4	11	67	1,000
	101.6	3.0	30.4	4.45

P1563 THRU P1573

PARALLEL CLAMPS FOR RIGID CONDUIT AND PIPE

EG



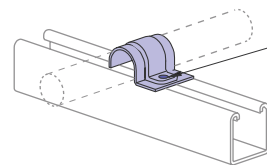
Slotted hex head screw and nut included.

Finish: Electro-galvanized.

Part No.	Pipe Size In (mm)	O.D. Size In (mm)	Thickness Gauge (mm)	Wt/100 pcs Lbs (kg)
P1563	3/8	0.675	14	27
	9.5	17.1	1.9	12.2
P1564	1/2	0.840	14	29
	12.7	21.3	1.9	13.2
P1565	3/4	1.050	14	30
	19.1	26.7	1.9	13.6
P1566	1	1.315	14	31
	25.4	33.4	1.9	14.1
P1567	1 1/4	1.660	14	38
	31.8	42.2	1.9	17.2
P1568	1 1/2	1.900	12	40
	38.1	48.3	2.7	18.1
P1569	2	2.375	12	47
	50.8	60.3	2.7	21.3
P1570	2 1/2	2.875	12	66
	63.5	73.0	2.7	29.9
P1571	3	3.500	12	78
	76.2	88.9	2.7	35.4
P1572	3 1/2	4.000	12	87
	88.9	101.6	2.7	39.5
P1573	4	4.500	12	90
	101.6	114.3	2.7	40.8

P2008 THRU P2020 ONE HOLE CLAMP FOR O.D. TUBING

EG HG



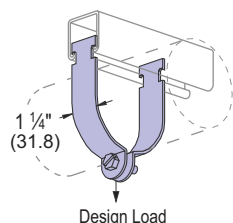
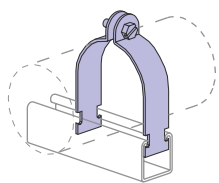
1/4" X 3/4" Round Head Machine Screw and Channel Nut Not Included

Part No.	O.D. Tube Size In (mm)	Thickness Gauge (mm)	Wt/100 pcs Lbs (kg)
P2008	1/4	16	4
	6.4	1.5	1.8
P2009	5/16	16	5
	7.9	1.5	2.3
P2010	3/8	16	5
	9.5	1.5	2.3
P2012	1/2	16	6
	12.7	1.5	2.7
P2014	5/8	14	8
	15.9	1.9	3.6
P2016	3/4	14	9
	19.1	1.9	4.1
P2018	7/8	14	10
	22.2	1.9	4.5
P2020	1	14	11
	25.4	1.9	5.0

P2024 THRU P2070-84

PIPE CLAMPS FOR O.D. TUBING

EG HG



Slotted hex head screw and nut included

P2024 - P2029 16 ga.
P2030 - P2035 14 ga.
P2037 - P2052 12 ga.
P2053 - P2066 11 ga.
P2067 - P2070-84 10 ga.

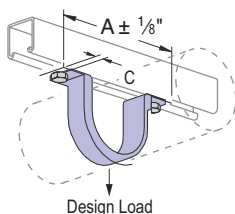
Part Number	O.D. Size In (mm)	Wt/100 pcs Lbs (kg)	Design Load Lbs (kN)
P2024	1/4 (6.4)	8 (3.6)	400 (1.78)
P2025	3/8 (9.5)	8 (3.6)	
P2026	1/2 (12.7)	9 (4.1)	
P2027	5/8 (15.9)	10 (4.5)	
P2028	3/4 (19.1)	11 (5.0)	
P2029	7/8 (22.2)	12 (5.4)	
P2030	1 (25.4)	14 (6.4)	600 (2.67)
P2031	1 1/8 (28.6)	15 (6.8)	
P2032	1 1/4 (31.8)	16 (7.3)	
P2033	1 3/8 (34.9)	17 (7.7)	
P2034	1 1/2 (38.1)	18 (8.2)	
P2035	1 5/8 (41.3)	19 (8.6)	
P1430	1 3/4 (44.5)	29 (13.2)	800 (3.56)
P2037	1 7/8 (47.6)	28 (12.7)	
P2038	2 (50.8)	31 (14.1)	
P2039	2 1/8 (54.0)	32 (14.5)	
P2040	2 1/4 (57.2)	33 (15)	
P1117	2 3/8 (60.3)	34 (15.4)	
P2042	2 1/2 (63.5)	35 (15.9)	
P2043	2 5/8 (66.7)	37 (16.8)	
P2044	2 3/4 (69.9)	38 (17.2)	
P1118	2 7/8 (73.0)	40 (18.1)	
P2046	3 (76.2)	41 (18.6)	
P2047	3 1/8 (79.4)	43 (19.5)	
P2048	3 1/4 (82.6)	45 (20.4)	1000 (4.45)
P2049	3 3/8 (85.7)	46 (20.9)	
P1119	3 1/2 (88.9)	47 (21.3)	
P2051	3 3/4 (92.1)	56 (25.4)	
P2052	3 5/8 (95.3)	58 (26.3)	
P2053	3 7/8 (98.4)	60 (27.2)	
P1120	4 (101.6)	62 (28.1)	
P2055	4 1/8 (104.8)	62 (28.1)	
P2056	4 1/4 (108.0)	64 (29.0)	
P2057	4 3/8 (111.1)	66 (29.9)	
P1121	4 1/2 (114.3)	67 (30.4)	
P2059	4 3/4 (117.5)	70 (31.8)	
P2060	4 3/4 (120.7)	72 (32.7)	

Part Number	O.D. Size In (mm)	Wt/100 pcs Lbs (kg)	Design Load Lbs (kN)
P2061	4 7/8 (123.8)	73 (33.1)	1000 (4.45)
P2062	5 (127.0)	74 (33.6)	
P2063	5 1/8 (130.2)	76 (34.5)	
P2064	5 1/4 (133.4)	77 (34.9)	
P2065	5 3/8 (136.5)	78 (35.4)	
P2066	5 1/2 (140.0)	79 (35.8)	
P2067	5 5/8 (142.9)	88 (39.9)	
P2068	5 3/4 (146.1)	90 (40.8)	
P2069	5 7/8 (149.2)	92 (41.7)	
P2070	6 (152.4)	94 (42.6)	
P2070-61	6 1/8 (155.6)	96 (43.5)	
P2070-62	6 1/4 (158.8)	98 (44.5)	
P2070-63	6 3/8 (161.9)	99 (44.9)	1000 (4.45)
P2070-64	6 1/2 (165.1)	100 (45.4)	
P1124	6 5/8 (168.3)	102 (46.3)	
P2070-66	6 3/4 (171.5)	104 (47.2)	
P2070-67	6 7/8 (174.6)	106 (48.1)	
P2070-70	7 (177.8)	108 (49.0)	
P2070-71	7 1/8 (181.0)	110 (49.9)	
P2070-72	7 1/4 (184.2)	112 (50.8)	
P2070-73	7 3/8 (187.3)	114 (51.7)	
P2070-74	7 1/2 (190.5)	116 (52.6)	
P2070-75	7 5/8 (193.7)	117 (53.1)	
P2070-76	7 3/4 (196.9)	119 (54.0)	1000 (4.45)
P2070-77	7 7/8 (200.0)	121 (54.9)	
P2070-80	8 (203.2)	123 (55.8)	
P2070-81	8 1/8 (206.4)	125 (56.7)	
P2070-82	8 1/4 (209.6)	126 (57.2)	
P2070-83	8 3/8 (212.7)	128 (58.1)	
P2070-84	8 1/2 (215.9)	129 (58.5)	
P1126	8 5/8 (219.1)	130 (59.0)	

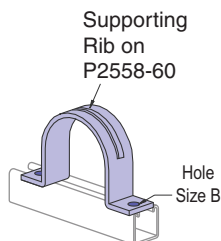
P2558-5 THRU P2558-60

SINGLE PIECE PIPE STRAP

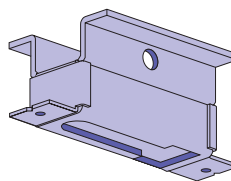
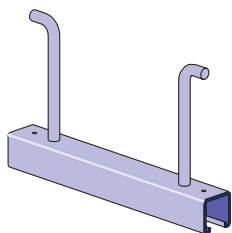
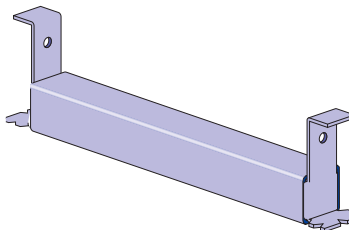
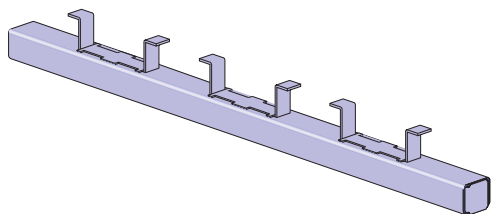
EG GR HG



Hardware sold separately.



Part No.	Nom. Pipe Size In	A In (mm)	"B" In (mm)	C In (mm)	Thickness In (mm)	Wt/100 pcs Lbs (kg)	Design Load Lbs (kN)
P2558-05	1/2	2 7/8 (73.0)	3/32 (2.4)	7/16 (11.1)	1/8 (3.2)	23 (10.4)	500 (2.22)
P2558-07	3/4	3 3/8 (79.4)				26 (11.8)	
P2558-10	1	3 7/8 (85.7)				31 (14.1)	
P2558-12	1 1/4	4 3/8 (95.3)				35 (15.9)	
P2558-15	1 1/2	4 7/8 (98.4)				39 (17.7)	
P2558-20	2	5 3/4 (146.1)	7/16 (11.1)	1 1/16 (17.5)	1/4 (6.4)	94 (42.6)	1,000 (4.45)
P2558-25	2 1/2	6 1/4 (158.8)				114 (51.7)	
P2558-30	3	6 7/8 (174.6)				133 (60.3)	
P2558-35	3 1/2	7 3/8 (187.3)				152 (68.9)	
P2558-40	4	7 7/8 (200.0)				176 (79.8)	
P2558-50	5	9 (228.6)				198 (89.8)	
P2558-60	6	10 (254.0)				225 (102.1)	



MATERIAL

Cold-formed inserts are manufactured from standard 12 gauge (2.7 mm) Robexstrut channel sections conforming to ASTM A1011 SS GR 33 or ASTM A653 GR 33, unless otherwise noted.

To inhibit concrete seepage, all inserts (except spot inserts) are provided with closure strips and end caps or foam filler, unless otherwise requested.

Most concrete inserts are available in stainless steel on special order. Consult factory for ordering information.

APPLICATION

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

FINISHES

Cold-formed, standard-duty, light-duty and spot concrete inserts are available in:

Hot dipped galvanized (HG), conforming to ASTM A123 or A153;

Pre-galvanized (PG), conforming to ASTM A653 GR 33

Plain (PL)

DESIGN LOAD

Design loads, where shown, are based on 3,000 PSI concrete, unless noted.

STANDARD LENGTHS

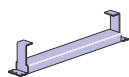
Insert lengths range from 3 inches (76.2 mm) to 20 feet (6.10m) with a tolerance of $\pm \frac{1}{4}$ -inch (6.4mm).

DIMENSIONS

Imperial dimensions are illustrated in inches. Metric dimensions are shown in parentheses or as noted. Unless noted, all metric dimensions are in millimeters and rounded to one decimal place.

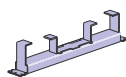
Custom-designed inserts are available on special order. Consult factory for ordering information.

Heavy Duty

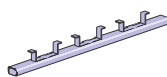


P3349

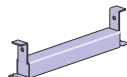
Light Duty



P3352

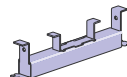


P3354

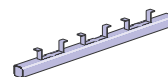


P3249

Standard Duty

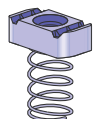


P3253

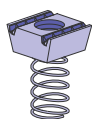


P3254

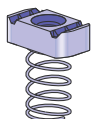
Channel Nuts



Heavy Duty



Heavy Duty



Standard Duty



Standard Duty



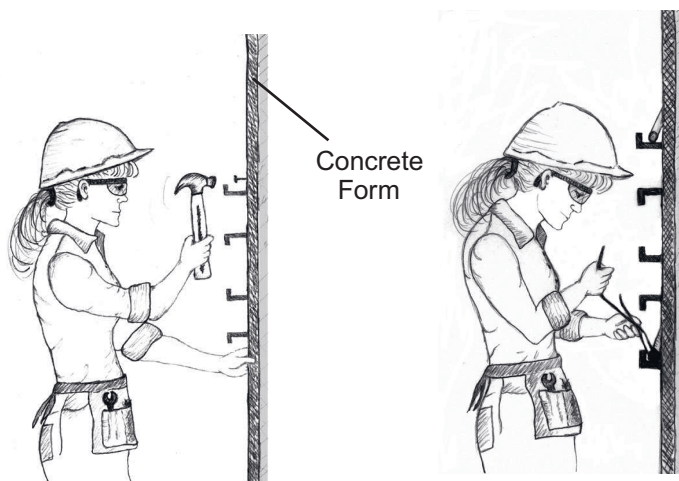
Light Duty



Light Duty

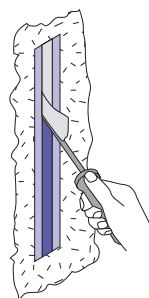
INSTALLING CONCRETE INSERTS

1. Nail insert to concrete form using prepunched nail holes
2. Attach rebars to flanges on insert

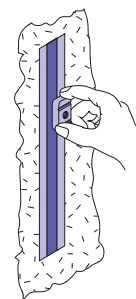


The Robexstrut concrete insert is firmly fixed to the concrete side of the form before pouring. When the forms are removed, the insert is ready for use. Brackets and other components can be attached at any point of the continuous entry channel.

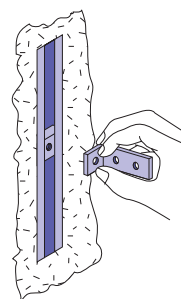
USING INSTALLED CONCRETE INSERT



1. Scrape out filler



2. Insert channel nut.



3. Attach fitting

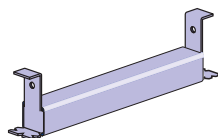
P3200 SERIES

CUSH-A-CLAMP®

1 5/8" x 1 3/8" Channel

Pg hg

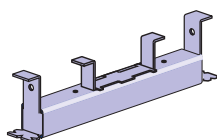
P3249 thru P3252



"NC" Suffix – No Closure Strip, With End Caps

"WC" Suffix – With Closure Strip & End Caps

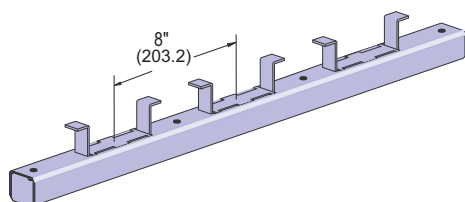
P3253



"NC" Suffix – No Closure Strip, With End Caps & Back Plates

"WC" Suffix – With Closure Strip, End Caps & Back Plates

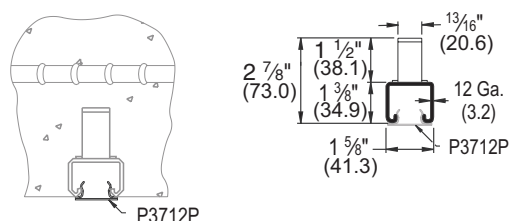
P3254 thru P3270



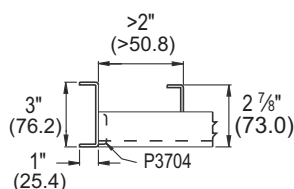
"NC" Suffix – No Closure Strip, W/End Caps & Back Plates

"WC" Suffix – W/Closure Strip, End Caps & Back Plates

"X" – No Closure Strip, No End Caps, W/Back Plates



P3712P



P3704

- Includes closure and end caps unless otherwise requested.
- P3280 end cap used when distance to first anchor is up to 2" (51 mm).
- P3704 end cap is used when end distance to first anchor is over 2" (51 mm).
- Nail or anchor inserts to forms every 16" (406.4 mm) to 24" (609.6 mm).
- Anchors are 8" (203.2 mm) on center.
- Material: Cold formed from 12 Ga. (3) steel conforming to ASTM A1011 SS GR 33 or ASTM A653 GR 33. A. Stainless steel available on special order.
- Finish: Choice of hot-dipped galvanized (HG) conforming to ASTM A123 or A153, or pre-galvanized (PG) conforming to ASTM A653-G90.

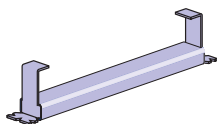
Part Number	Insert Length In/Ft (mm)	Wt/100 pcs Lbs (kg)	Max. Allowable Point Load Lbs (kN)	Min. Spacing of Pt. Loads In (mm)	Max. Allowable Uniform Load Lbs (kN)
P3249	3" 76.2	85 39	500 2.22	—	500 2.22
P3250	4" 101.6	100 45	800 3.56	—	800 3.56
P3251	6" 152.4	130 59	1,000 4.45	—	1,000 4.45
P3252	8" 203.2	159 72	1,200 5.34	—	1,200 5.34
P3253	12" 304.8	227 103	2,000 8.90	—	2,000 8.90
P3254	16" 406.4	270 122	2,000 8.90	12 304.8	4,000 17.79
P3255	20" 508.0	357 162	2,000 8.90	12 304.8	4,000 17.79
P3256	24" 609.6	399 181	2,000 8.90	12 304.8	4,000 17.79
P3257	32" 812.8	527 239	2,000 8.90	12 304.8	2,000 2,976.3 Lbs./Ft. (kg/m)
P3257A	36" 914.4	616 279	2,000 8.90	12 304.8	2,000 2,976.3 Lbs./Ft. (kg/m)
P3258	40" 1,016.0	661 300	2,000 8.90	12 304.8	2,000 2,976.3 Lbs./Ft. (kg/m)
P3259	4' 1,219.2	786 357	2,000 8.90	12 304.8	2,000 2,976.3 Lbs./Ft. (kg/m)
P3260	5' 1,524.0	1,003 455	2,000 8.90	12 304.8	2,000 2,976.3 Lbs./Ft. (kg/m)
P3261	6' 1,828.8	1,173 532	2,000 8.90	12 304.8	2,000 2,976.3 Lbs./Ft. (kg/m)
P3262	7' 2,133.6	1,390 630	2,000 8.90	12 304.8	2,000 2,976.3 Lbs./Ft. (kg/m)
P3263	8' 2,438.4	1,560 708	2,000 8.90	12 304.8	2,000 2,976.3 Lbs./Ft. (kg/m)
P3264	9' 2,743.2	1,741 790	2,000 8.90	12 304.8	2,000 2,976.3 Lbs./Ft. (kg/m)
P3265	10' 3,048.0	1,947 883	2,000 8.90	12 304.8	2,000 2,976.3 Lbs./Ft. (kg/m)
P3266	12' 3,657.6	2,334 1,059	2,000 8.90	12 304.8	2,000 2,976.3 Lbs./Ft. (kg/m)
P3267	14' 4,267.2	2,717 1,232	2,000 8.90	12 304.8	2,000 2,976.3 Lbs./Ft. (kg/m)
P3268	16' 4,876.8	3,116 1,413	2,000 8.90	12 304.8	2,000 2,976.3 Lbs./Ft. (kg/m)
P3269	18' 5,486.4	3,530 1,601	2,000 8.90	12 304.8	2,000 2,976.3 Lbs./Ft. (kg/m)
P3270	20' 6,096.0	3,882 1,761	2,000 8.90	12 304.8	2,000 2,976.3 Lbs./Ft. (kg/m)

Safety factor 3.

P3300 SERIES

1 5/8" x 7/8" CHANNEL PG HG

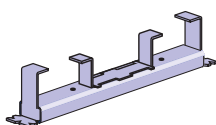
P3349 thru P3351



"NC" Suffix – No Closure Strip, With End Caps

"WC" Suffix – With Closure Strip & End Caps

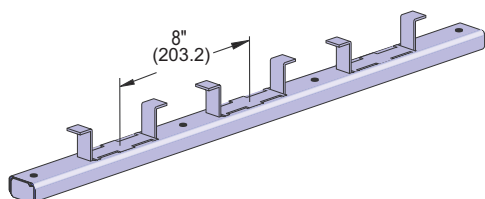
P3352 thru P3353



"NC" Suffix – No Closure Strip, With End Caps & Back Plates

"WC" Suffix – With Closure Strip, End Caps & Back Plates

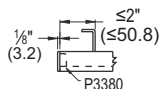
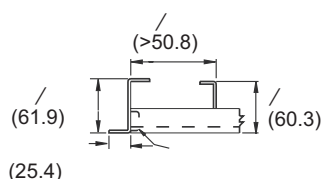
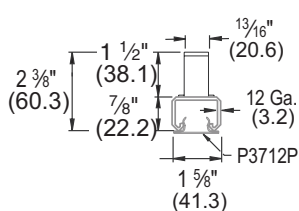
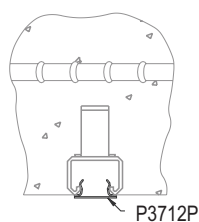
P3354 thru P3370



"NC" Suffix – No Closure Strip, W/End Caps & Back Plates

"WC" Suffix – W/Closure Strip, End Caps & Back Plates

"X" – No Closure Strip, No End Caps, W/Back Plates

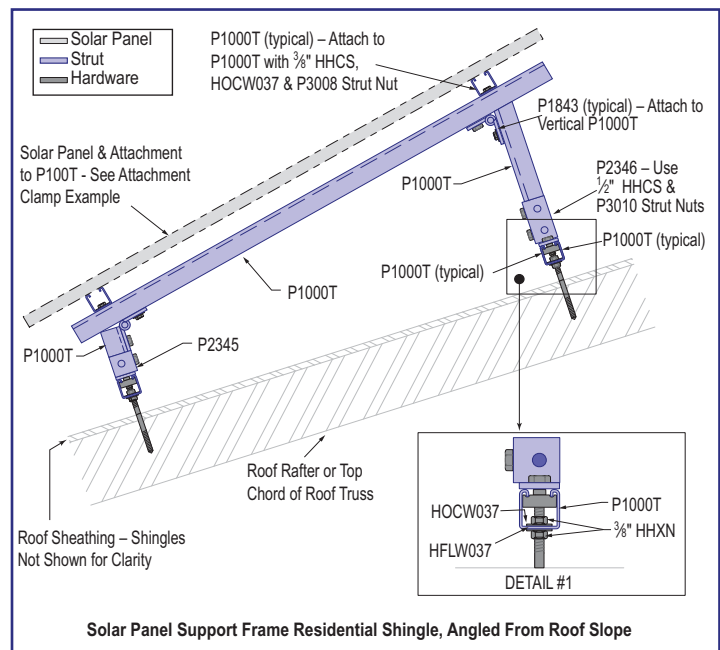
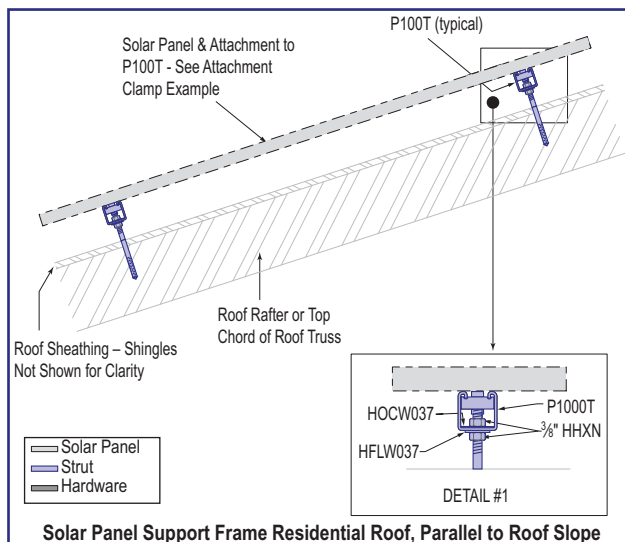
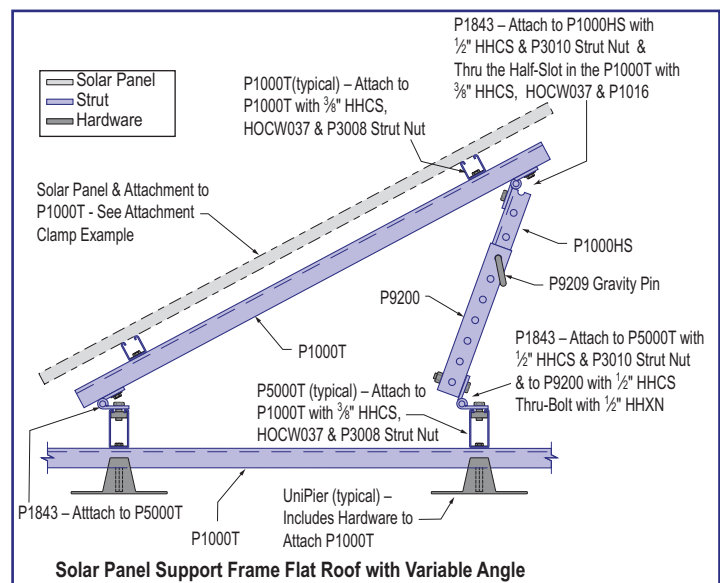
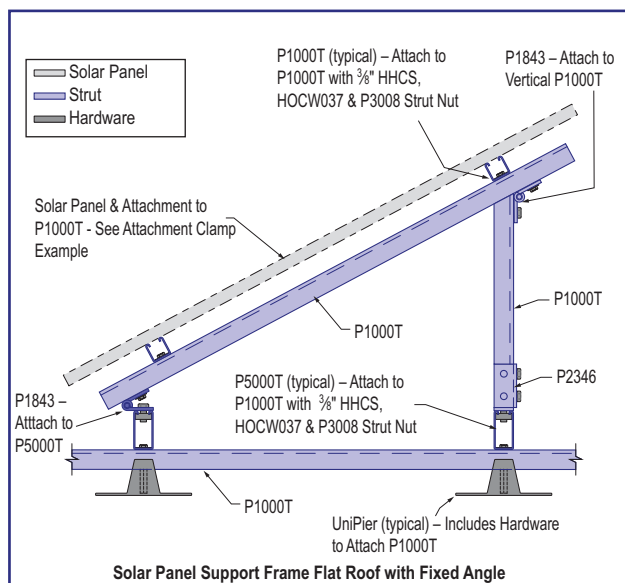
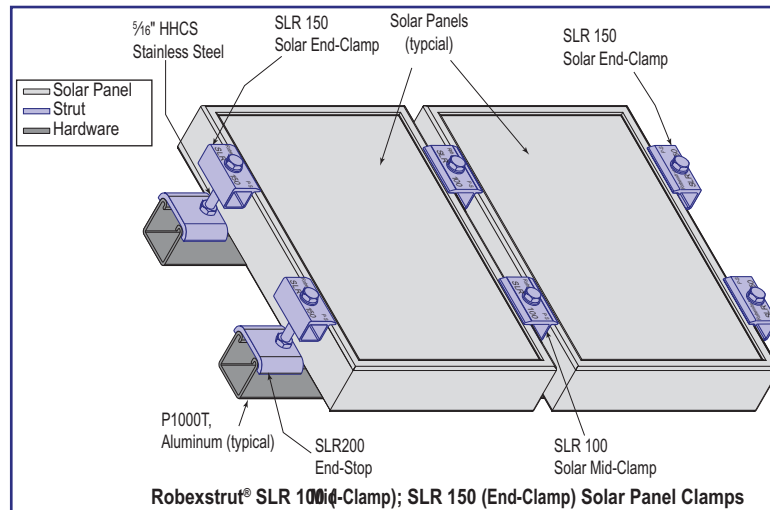


- Includes closure and end caps unless otherwise requested.
- P3380 end cap used when distance to first anchor is up to 2" (51 mm).
- P3703 end cap is used when end distance to first anchor is over 2" (51 mm).
- Nail or anchor inserts to forms every 16" (406.4 mm) to 24" (609.6 mm).
- Anchors are 8" (203.2 mm) on center.
- Material: Cold formed from 12 Ga. (3 mm) steel conforming to ASTM A1011 SS GR. 33 or A653 GR 33. A. Stainless steel available on special order.
- Finish: Choice of hot-dipped galvanized (HG) conforming to ASTM A123 or A153, or pre-galvanized (PG) conforming to ASTM A653-G90.

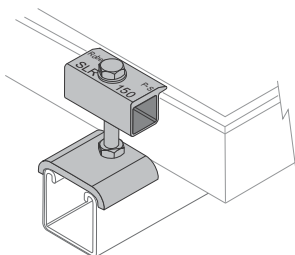
Part Number	Insert Length In/Ft. (mm)	Wt/100 pcs Lbs (kg)	Max. Allowable Point Load Lbs (kN)	Min. Spacing of Pt. Loads In (mm)	Max. Allowable Uniform Load Lbs (kN)
P3349	3" 76.2	68 31	400 1.78	—	400 1.78
P3350	4" 101.6	81 37	500 2.22	—	500 2.22
P3351	6" 152.4	102 46	750 3.34	—	750 3.34
P3352	8" 203.2	122 55	1,000 4.45	—	1,000 4.45
P3353	12" 304.8	174 79	1,500 6.67	—	1,500 6.67
P3354	16" 406.4	185.0 84	1,500 6.67	12 304.8	3,000 13.34
P3355	20" 508.0	231 105	1,500 6.67	12 304.8	3,000 13.34
P3356	24" 609.6	277 126	1,500 6.67	12 304.8	3,000 13.34
P3357	32" 812.8	370 168	1,500 6.67	12 304.8	1,500 Lbs./Ft. 2,232.2 (kg/m)
P3357A	36" 914.4	416 189	1,500 6.67	12 304.8	1,500 Lbs./Ft. 2,232.2 (kg/m)
P3358	40" 1,016.0	463 210	1,500 6.67	12 304.8	1,500 Lbs./Ft. 2,232.2 (kg/m)
P3359	4' 1,219.2	555 252	1,500 6.67	12 304.8	1,500 Lbs./Ft. 2,232.2 (kg/m)
P3360	5' 1,524.0	694 315	1,500 6.67	12 304.8	1,500 Lbs./Ft. 2,232.2 (kg/m)
P3361	6' 1,828.8	832 377	1,500 6.67	12 304.8	1,500 Lbs./Ft. 2,232.2 (kg/m)
P3362	7' 2,133.6	971 440	1,500 6.67	12 304.8	1,500 Lbs./Ft. 2,232.2 (kg/m)
P3363	8' 2,438.4	1,110 503	1,500 6.67	12 304.8	1,500 Lbs./Ft. 2,232.2 (kg/m)
P3364	9' 2,743.2	1,249 567	1,500 6.67	12 304.8	1,500 Lbs./Ft. 2,232.2 (kg/m)
P3365	10' 3,048.0	1,387 629	1,500 6.67	12 304.8	1,500 Lbs./Ft. 2,232.2 (kg/m)
P3366	12' 3,657.6	1,665.0 755	1,500 6.67	12 304.8	1,500 Lbs./Ft. 2,232.2 (kg/m)
P3367	14' 4,267.2	1,942 881	1,500 6.67	12 304.8	1,500 Lbs./Ft. 2,232.2 (kg/m)
P3368	16' 4,876.8	2,220 1,007	1,500 6.67	12 304.8	1,500 Lbs./Ft. 2,232.2 (kg/m)
P3369	18' 5,486.4	2,497 1,133	1,500 6.67	12 304.8	1,500 Lbs./Ft. 2,232.2 (kg/m)
P3370	20' 6,096.0	2,775 1,259	1,500 6.67	12 304.8	1,500 Lbs./Ft. 2,232.2 (kg/m)

Safety factor 3.

TYPICAL SOLAR INSTALLATION



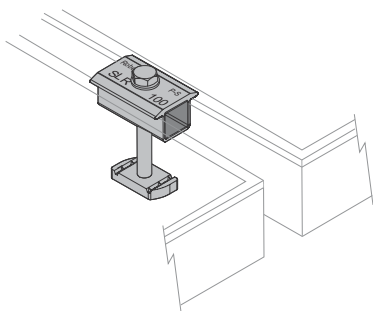
SLR200 – SOLAR END CLAMP



- $\frac{5}{16}$ " x $2\frac{3}{4}$ " hex head cap screw; stainless steel nut; lock washer included
- End-clamp design for use with strut based racking system
- Patent-pending end-stop feature allows use with vertical strut
- Meets uplift loads of 350 lbs.

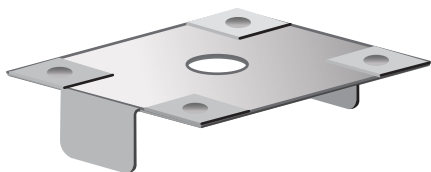
*Patent-pending

SLR100 – SOLAR MID-CLAMP

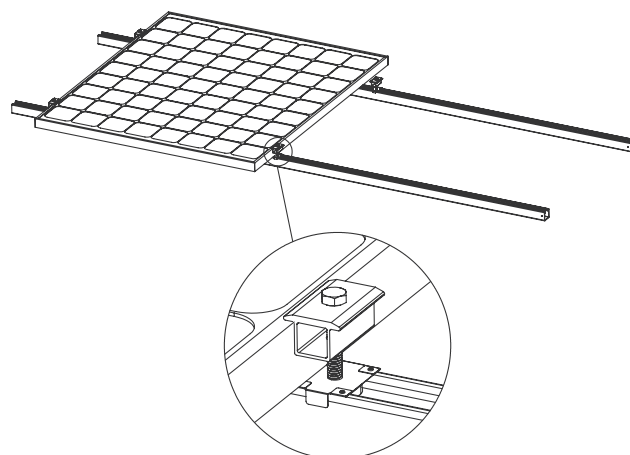


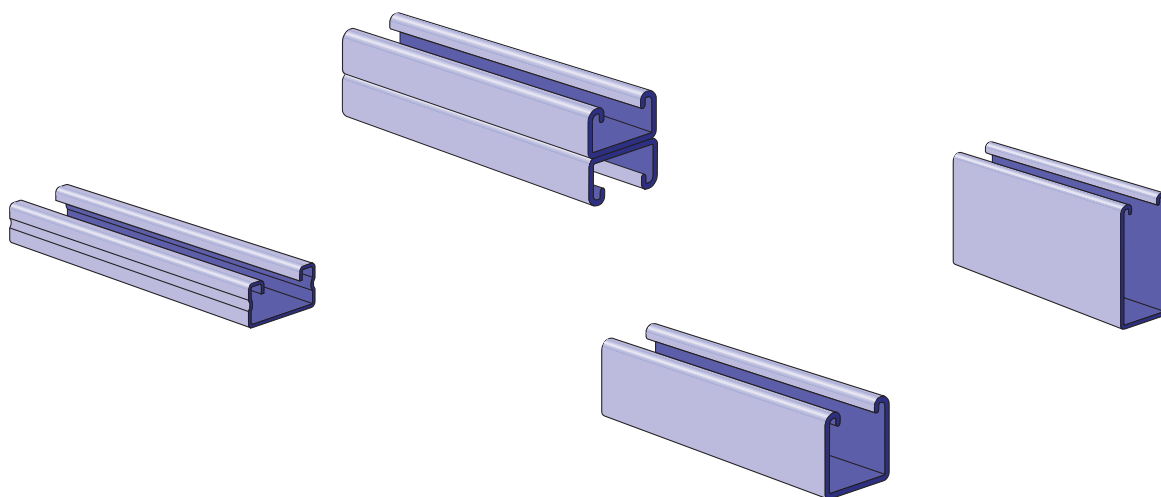
- $\frac{5}{16}$ " x $2\frac{3}{4}$ " hex head cap screw; stainless steel nut; lock washer included
- Mid-clamp design for use with strut based racking system
- Provides .8"(21 mm) panel spacing
- Meets spacing requirements of WEEB-WMC
- Meets uplift loads of 350 lbs.

WEEB - WMC – ELECTRICAL EQUIPMENT BONDING WASHER



- Patented design features stainless steel teeth that pierce into anodized aluminum, providing a gas tight connection which prevents oxidation
- Meets ANSI/UL467 requirements for bonding/grounding systems
- Quick installation that is safe, reliable and consistent





MATERIAL

Robexstrut channels are accurately and carefully cold formed to size from low-carbon strip steel.

STEEL: PLAIN

14 Gauge (1.9 mm), ASTM A1011 SS GR 33
19 Gauge (1.0 mm) ASTM A1008

STEEL: PRE-GALVANIZED

14 Gauge (1.9 mm) ASTM A653 GR 33,
19 Gauge (1.0 mm) ASTM A653 GR 33

Channel nuts are manufactured from mild steel bars conforming to ASTM A576, GR 1015, and are case hardened.

Fittings are made from hot rolled, pickled and oiled steel plate or strip and conform to ASTM A1011 SS GR 33.

Many framing channels are available in special metal on request. Consult factory for ordering information.

FINISHES

All channels and fittings are available in: Perma-Green III (GR), Pre-galvanized (PG), conforming to ASTM A653 GR 33 and plain (PL).

Nuts are available in plain or electro-galvanized (EG) finish.

Fittings are available in Perma-Green III (GR) or plain (PL).

STANDARD LENGTHS

Standard lengths are 10 feet (3.05M) and 20 feet (6.10M). Tolerances are: +1/8" (3.2 mm) to + 1/2" (12.7 mm) to allow for cutting. Special lengths are available for a small cutting charge with a tolerance of ± 1/8" (3.2mm).

APPLICATION

A framing system designed for medium loads, the 1 1/4" series is especially suitable for use in the OEM, commercial and display markets. It maintains a lightness in scale and a clean line that makes it aesthetically pleasing as well as functional.

THREADS

All threads on the nuts and bolts are Unified and American coarse screw threads.

DESIGN BOLT TORQUE

BOLT SIZE	1/4"-20	5/16"-18	3/8"-16
Rec. Torque Ft/Lbs (N•m)	6 (8)	11 (15)	19 (26)
Max Torque Ft/Lbs (N•m)	7 (9)	15 (20)	25 (34)

DIMENSIONS

Imperial dimensions are illustrated in inches. Metric dimensions are shown in parenthesis or as noted. Unless noted, all metric dimensions are in millimeters and rounded to one decimal place.

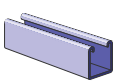
LOAD DATA

All beam and column load data pertains to carbon steel and stainless steel channels. Load tables and charts are constructed to be in accordance with the SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS 2007 EDITION published by the AMERICAN IRON AND STEEL INSTITUTE USING ASD METHOD. Loads are based on 33 ksi steel cold formed to 42 ksi.

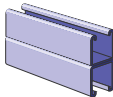
Type of Load	Safety Factor to Yield Strength	Safety Factor to Ultimate Strength
Beam Loads	1.67	2.0
Column Load	1.80	2.2

A1000 Series

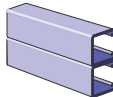
1 1/4" x 1 1/4"
14 Ga.



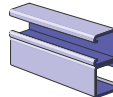
A1000



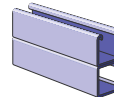
A1001



A1001 A



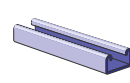
A1001 B



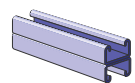
A1001 C

A3300 Series

1 1/4" x 3/4"
14 Ga.



A3300



A3301

Channel Nuts & Closures



A1006-1420



A4006-1420



A3006-1420



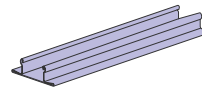
A3016-0832



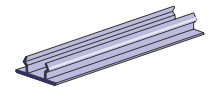
A1280



A4280



A1184 5



A1184P

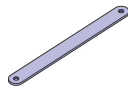
A Series Fittings



A1063



A1065



A1191



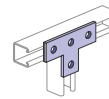
A1066



A2324



A1036



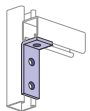
A1031



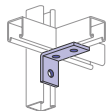
A1026



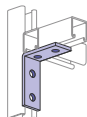
A1068



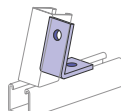
A1326



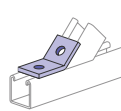
A1458



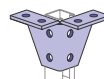
A1325



A2110



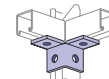
A2126



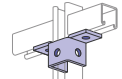
A2084



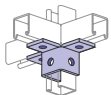
A2472 R-L



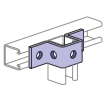
A2223



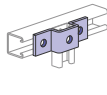
A2345



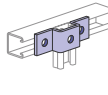
A2227



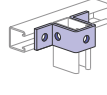
A1047



A3347



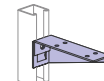
A4047



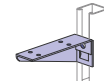
A5047



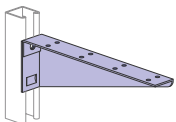
A2608



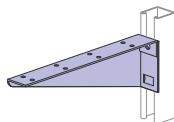
A2492 R



A2492 L

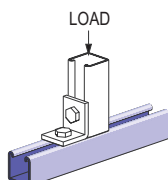
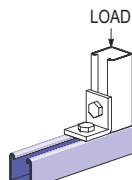
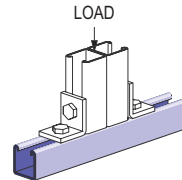


A2494 R



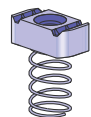
A2494 L

BEARING LOADS ON Robexstrut CHANNEL

Loads are calculated based on 2001 Specification For The Design Of Cold Formed Steel Structural Members published by AISI				
	Bearing Length 1¼" (31.8 mm) Maximum Allowable Loads - Lbs	Bearing Length 1¼" (31.8 mm) Maximum Allowable Loads - Lbs	Bearing Length 2½" (63.5 mm) Maximum Allowable Loads - Lbs	
	Channel			
	A1000	3,700 (16.46)	1,700 (7.56)	4,300 (19.13)
	A3300	3,800 (16.90)	1,700 (7.56)	4,300 (19.13)

CHANNEL NUT WITH SPRING



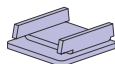
	Part Number	Nut Size Thread	Wt/100 pcs Lbs (kg)	Use With
	A1006-1420	1/4" -20	6 (2.7)	A1000
	A1007	5/16" -18	6 (2.7)	
	A1008	3/8" -16	6 (2.7)	
	Part Number	Nut Size Thread	Wt/100 pcs Lbs (kg)	Use With
	A4006-1420	1/4" -20	5 (2.3)	A3300
	A4007	5/16" -18	5 (2.3)	
	A4008	3/8" -16	5 (2.3)	

CHANNEL NUT WITHOUT SPRINGS

	Part Number	Nut Size Thread	Wt/100 pcs Lbs (kg)	Use With
	A3006-1420	1/4" -20	5 (2.3)	A1000 or A3300
	A3007	5/16" -18	5 (2.3)	
	A3008	3/8" -16	5 (2.3)	
	Part Number	Nut Size Thread	Wt/100 pcs Lbs (kg)	Use With
	A3016-0832	#8 -32	1 (0.5)	A1000 or A3300
	A3016-1024	#10 -24	1 (0.5)	
	A3016-1032	#10 -32	1 (0.5)	
	A3016-1420	1/4" -20	1 (0.5)	

A1280

END CAP



Material: .075" (1.9)
Note: Use with A1000 channel
Wt/100 pcs: 7 Lbs (3.2 kg)

A4280

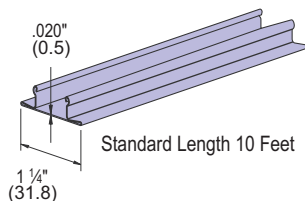
END CAP



Material: .075" (1.9)
Note: Use with A3300 channel

A1184

CLOSURE STRIP



Finish:
Perma-Green II (GR), Plain (PL).
Wt/100 Ft: 21 Lbs (31.3 kg/100M)

A1191

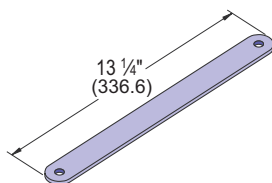
A1063



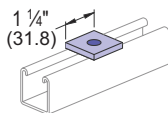
A1065

A1184P

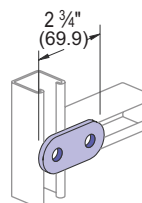
CLOSURE STRIP



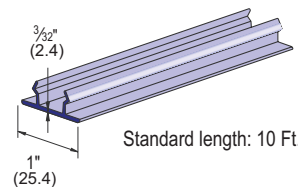
Wt/100 pcs: 87 Lbs (39.5 kg)



Wt/100 pcs: 8 Lbs (3.6 kg)



Wt/100 pcs: 17 Lbs (7.7 kg)



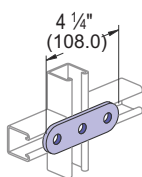
Material: Paintable PVC.
Color: Green, Grey.

Wt/100 Ft: 21 Lbs (31.3 kg/100M)

Standard Dimensions for 1 1/4" (31.8 mm) width series channel fittings (Unless Otherwise Shown on Drawing)

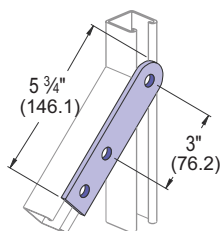
Hole Diameter: 13/32" (10.3mm); Hole Spacing - From End: 5/8" (15.9 mm); Hole Spacing - On Center: 1 1/2" (38.1mm); Width: 1 1/4" (31.8mm); Thickness: 3/16" (4.8mm)

A1066



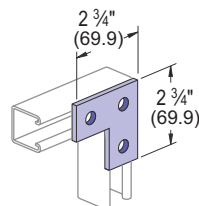
Wt/100 pcs: 26 Lbs (11.8 kg)

A2324



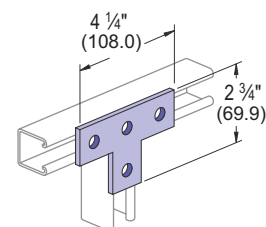
Wt/100 pcs: 39 Lbs (17.7 kg)

A1036



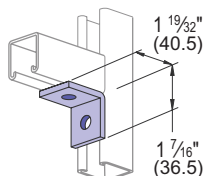
Wt/100 pcs: 27 Lbs (12.2 kg)

A1031



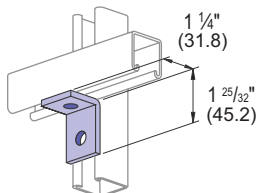
Wt/100 pcs: 34 Lbs (15.4 kg)

A1026



Wt/100 pcs: 17 Lbs (7.7 kg)

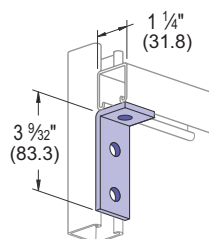
A1068



Wt/100 pcs: 17 Lbs (7.7 kg)

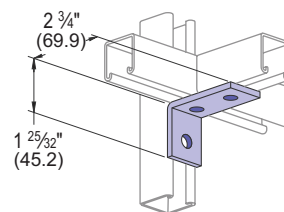


A1326



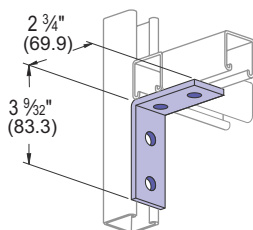
Wt/100 pcs: 27 Lbs (12.2 kg)

A1458



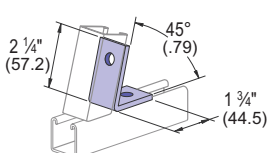
Wt/100 pcs: 27 Lbs (12.2 kg)

A1325



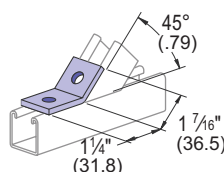
Wt/100 pcs: 38 Lbs (17.2 kg)

A2110



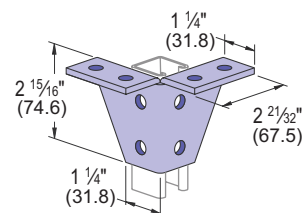
Wt/100 pcs: 23 Lbs (10.4 kg)

A2126



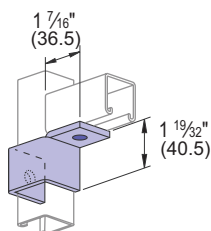
Wt/100 pcs: 17 Lbs (7.7 kg)

A2084



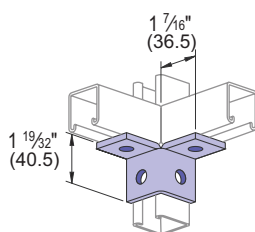
Wt/100 pcs: 90 Lbs (40.8 kg)

A2472 r -L


R-As shown
L-Opposite hand

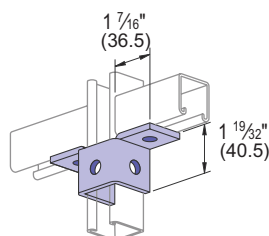
Wt/100 pcs: 33 Lbs (15.0 kg)

A2223



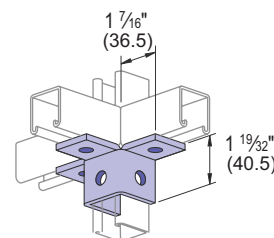
Wt/100 pcs: 34 Lbs (15.4 kg)

A2345



Wt/100 pcs: 41 Lbs (18.6 kg)

A2227



Wt/100 pcs: 52 Lbs (23.6 kg)

Standard Dimensions for 1/4" (31.8 mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 13/32" (10.3mm); Hole Spacing - From End: 5/8" (15.9 mm); Hole Spacing - On Center: 1 1/2" (38.1mm); Width: 1 1/4" (31.8mm); Thickness: 3/16" (4.8mm)

P6000 Series

13/16" x 13/16"
19 Ga.



P6000



P6001



P6001 A



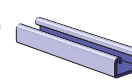
P6001 B



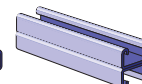
P6001 C

P7000 Series

13/16" x 13/32"
19 Ga.



P7000



P7001

Channel Nuts & Closures

13/16" Series Fittings



P6006-0832



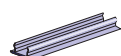
P7006-0832



P6280



P7280



P6184P



P6062



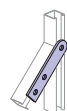
P6065



P6924



P7325



P7324



P6925



P6066



P6067



P6962



P6356 A



P6358 A



P6726 A



P6334



P6380



P6036



P6380 A



P6031



P6028



P6026



P6068



P6281



P6069



P6326



P6346



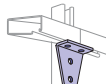
P6458



P6325



P6357



P6359



P6579



P7235



P6887



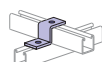
P6331



P6332



P6546



P6045



P6186



P6454



P7045



P6453



P6047



P6737



P6048



P6376



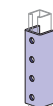
P7376



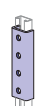
P6376 A



P7376 A



P6377



P7377



P6455



P6973



P6349



P6353



P6127



P6386



P6379 S

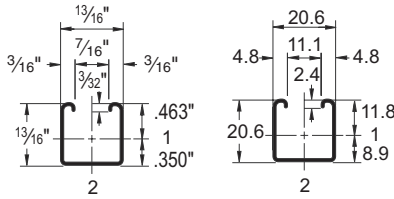


P6805



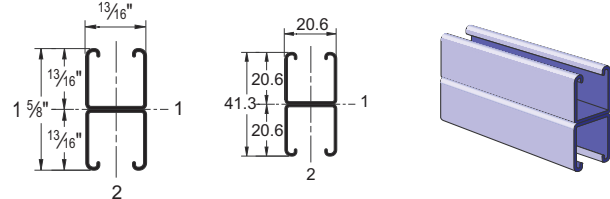
P7008

P6000



Wt/100 Ft: 36 Lbs (54 kg/100 m)
Allowable Moment 510 In-Lbs (60 N·m)
19 Gauge Nominal Thickness .040" (1.0 mm)

P6001



Wt/100 Ft: 73 Lbs (108 kg/100 m)
Allowable Moment 1,390 In-Lbs (160 N·m)
19 Gauge Nominal Thickness .040" (1.0 mm)

P6000 - BEAM LOADING

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
18	230	0.06	230	230	180
24	170	0.11	170	150	100
30	140	0.18	130	100	70
36	110	0.24	90	70	50
42	100	0.35	70	50	30
48	80	0.42	50	40	30
54	80	0.60	40	30	20
60	70	0.72	30	20	20
66	60	0.82	30	20	10
72	60	1.06	20	20	10

P6001 - BEAM LOADING

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
18	620	0.04	620	620	620
24	460	0.06	460	460	460
30	370	0.10	370	370	320
36	310	0.14	310	310	220
42	270	0.20	270	240	160
48	230	0.25	230	180	120
54	210	0.32	190	150	100
60	190	0.40	160	120	80
66	170	0.48	130	100	70
72	150	0.55	110	80	50

P6000 - COLUMN LOADING

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	600	1,660	1,400	1,100	860
24	490	1,300	1,010	740	590
30	420	990	740	560	450
36	340	770	590	450	370
42	300	630	490	380	310
48	260	540	420	330	270
54	240	470	370	290	**
60	210	410	330	**	**
66	210	370	300	**	**
72	180	340	270	**	**

P6001 - COLUMN LOADING

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	1,210	4,320	4,080	3,770	3,500
24	1,170	3,980	3,680	3,330	3,060
30	1,130	3,650	3,330	3,000	2,460
36	1,070	3,370	3,060	2,460	1,800
42	1,020	3,140	2,690	1,900	1,320
48	900	2,930	2,230	1,460	1,010
54	820	2,550	1,800	1,150	800
60	700	2,180	1,460	930	**
66	700	1,830	1,210	770	**
72	550	1,530	1,010	**	**

P6000 & P6001 - ELEMENTS OF SECTION

Parameter	P6000		P6001	
Area of Section	0.107	In ²	0.213	In ²
Axis 1-1				
Moment of Inertia (I)	0.009	In ⁴	0.045	In ⁴
Section Modulus (S)	0.020	In ³	0.055	In ³
Radius of Gyration (r)	0.295	In	0.460	In
Axis 2-2				
Moment of Inertia (I)	0.012	In ⁴	0.024	In ⁴
Section Modulus (S)	0.029	In ³	0.058	In ³
Radius of Gyration (r)	0.333	In	0.333	In

Notes:

* Load limited by spot weld shear.

** KL/r > 200

NR = Not Recommended.

1. Beam loads are given in total uniform load (W Lbs) not uniform load (w lbs/ft or w lbs/in).
2. Beam loads are based on a simple span and assumed to be adequately laterally braced. Unbraced spans can reduce beam load carrying capacity. Refer to Page 186 for reduction factors for unbraced lengths.
3. Deduct channel weight from the beam loads.
4. For concentrated midspan point loads, multiply beam loads by 50% and the corresponding deflection by 80%. For other load conditions refer to page 18.
5. All beam loads are for bending about Axis 1-1.

1 5/8" System

Telestrut

Nuts & Hardware

General Fittings

Pipe/Conduit Support

Concrete Inserts

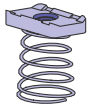
Solar

1 1/4" System

1 3/16" System

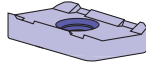
Special Metals

P6006-0832 THRU P6006-1420 CHANNEL NUT W/SPRING



Part Number	Thread Size In	Wt/100 pcs Lbs (kg)
P6006-0836	#8 - 36	1 (0.5)
P6006-0832	#8 - 32	1 (0.5)
P6006-1032	#10 - 32	1 (0.5)
P6006-1024	#10 - 24	1 (0.5)
P6006-1420	1/4" - 20	1 (0.5)

P6013-0832 THRU P6006-1420 CHANNEL NUT



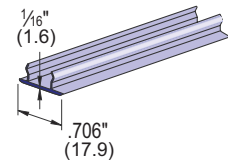
Part Number	Thread Size In	Wt/100 pcs Lbs (kg)
P6013-0836	#8 - 36	1 (0.5)
P6013-0832	#8 - 32	1 (0.5)
P6013-1032	#10 - 32	1 (0.5)
P6013-1024	#10 - 24	1 (0.5)
P6013-1420	1/4" - 20	1 (0.5)

P7006-0832 THRU P7006-1420 CHANNEL NUT W/SPRING



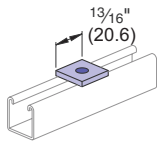
Part Number	Thread Size In	Wt/100 pcs Lbs (kg)
P7006-0836	#8 - 36	1 (0.5)
P7006-0832	#8 - 32	1 (0.5)
P7006-1032	#10 - 32	1 (0.5)
P7006-1024	#10 - 24	1 (0.5)
P7006-1420	1/4" - 20	1 (0.5)

P6184 P - CLOSURE STRIP



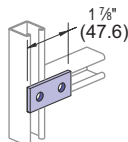
Material: PVC, Plastic.
Standard Length: 10 Feet (3.05 m).
Wt/100 Ft: 4 Lbs (6.0 kg/100m)

P6062



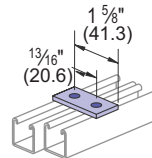
Wt/100 pcs: 2 Lbs (0.9 kg)

P6065



Wt/100 pcs: 5 Lbs (2.3 kg)

P6924



Wt/100 pcs: 5 Lbs (2.3 kg)

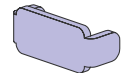
P6280 - END CAP FOR P6000 P7280 - END CAP FOR P7000

Material: .060" (1.5)



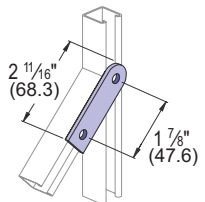
Wt/100 pcs: 3 Lbs (1.4 kg)

Material: .048" (1.2)



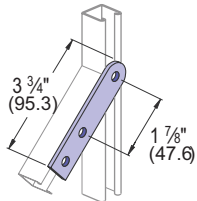
Wt/100 pcs: 1 Lbs (0.5 kg)

P7325



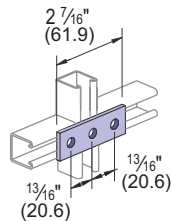
Wt/100 pcs: 7 Lbs (3.2 kg)

P7324



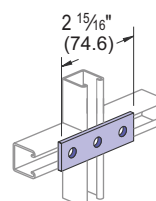
Wt/100 pcs: 10 Lbs (4.5 kg)

P6925



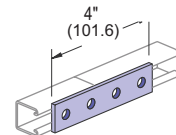
Wt/100 pcs: 7 Lbs (3.2 kg)

P6066



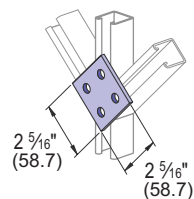
Wt/100 pcs: 8 Lbs (3.6 kg)

P6067



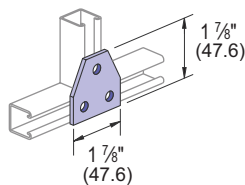
Wt/100 pcs: 11 Lbs (5.0 kg)

P6962



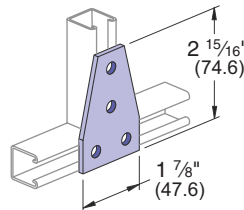
Wt/100 pcs: 19 Lbs (8.6 kg)

P6356A



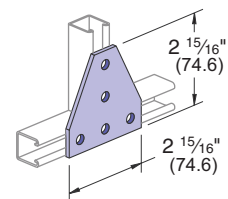
Wt/100 pcs: 10 Lbs (4.5 kg)

P6358A



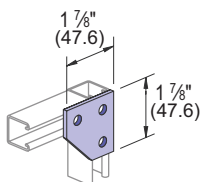
Wt/100 pcs: 15 Lbs (6.8 kg)

P6726A



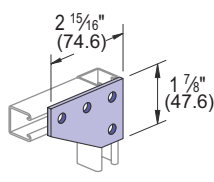
Wt/100 pcs: 22 Lbs (10.0 kg)

P6334



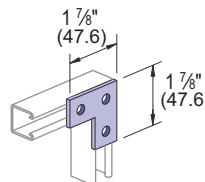
Wt/100 pcs: 11 Lbs (5.0 kg)

P6380



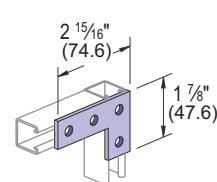
Wt/100 pcs: 15 Lbs (6.8 kg)

P6036



Wt/100 pcs: 8 Lbs (3.6 kg)

P6380A

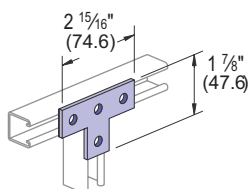


Wt/100 pcs: 11 Lbs (5.0 kg)

Standard Dimensions for 13/16" (20.6mm) width series channel fittings (Unless Otherwise Shown on Drawing)

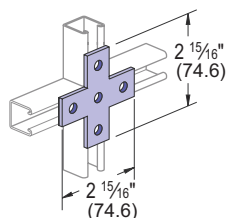
Hole Diameter: 9/32" (7.1mm); Hole Spacing - From End: 13/32" (10.3mm); Hole Spacing - On Center: 1 1/16" (27.0mm); Width: 13/16" (20.6mm); Thickness: 1/8" (3.2mm)

P6031



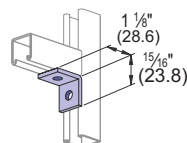
Wt/100 pcs: 11 Lbs (5.0 kg)

P6028



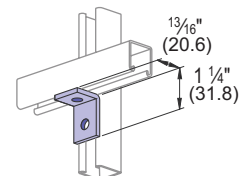
Wt/100 pcs: 14 Lbs (6.4 kg)

P6026



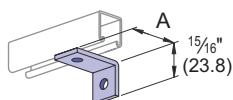
Wt/100 pcs: 5 Lbs (2.3 kg)

P6068



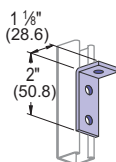
Wt/100 pcs: 5 Lbs (2.3 kg)

P6281, P6282, P6283



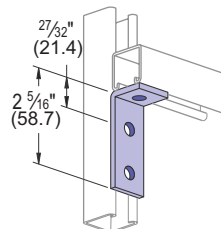
Part Number	A In (mm)	Wt/100 pcs Lbs (kg)
P6281	2 50.8	8 3.6
P6282	2 1/2 63.5	9 4.1
P6283	3 76.2	10 4.5

P6069



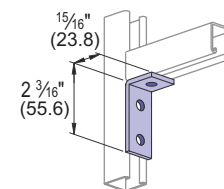
Wt/100 pcs: 8 Lbs (3.6 kg)

P6326



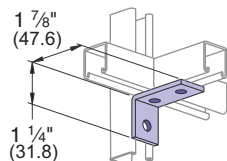
Wt/100 pcs: 8 Lbs (3.6 kg)

P6346



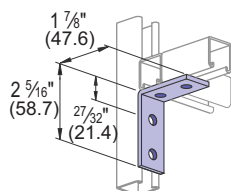
Wt/100 pcs: 8 Lbs (3.6 kg)

P6458



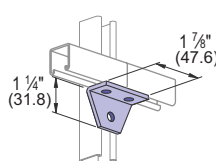
Wt/100 pcs: 8 Lbs (3.6 kg)

P6325



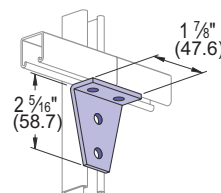
Wt/100 pcs: 11 Lbs (5.0 kg)

P6357



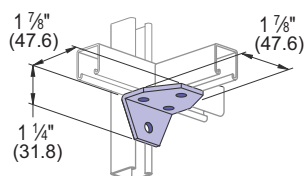
Wt/100 pcs: 10 Lbs (4.5 kg)

P6359



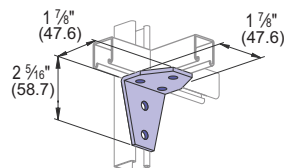
Wt/100 pcs: 15 Lbs (6.8 kg)

P6579



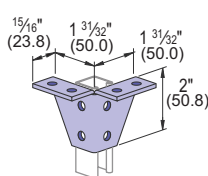
Wt/100 pcs: 15 Lbs (6.8 kg)

P7235



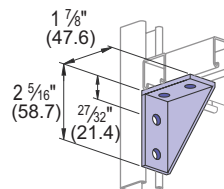
Wt/100 pcs: 18 Lbs (8.2 kg)

P6887



Wt/100 pcs: 28 Lbs (12.7 kg)

P6331



Wt/100 pcs: 19 Lbs (8.6 kg)

Standard Dimensions for 13/16" (20.6mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/32" (7.1mm); Hole Spacing - From End: 13/32" (10.3mm); Hole Spacing - On Center: 1 1/8" (27.0mm); Width: 13/16" (20.6mm); Thickness: 1/8" (3.2mm)

1 5/8" System

Telestrut

Nuts & Hardware

General Fittings

Pipe/Conduit Support

Concrete Inserts

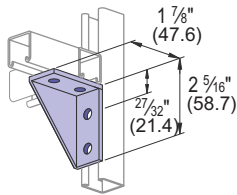
Solar

1 1/4" System

13/16" System

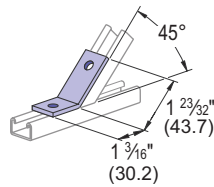
Special Metals

P6332



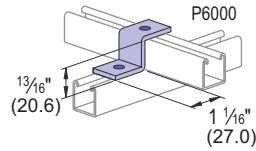
Wt/100 pcs: 19 Lbs (8.6 kg)

P6546



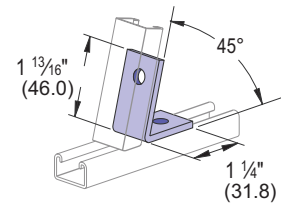
Wt/100 pcs: 8 Lbs (3.6 kg)

P6045



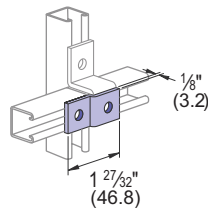
Wt/100 pcs: 7 Lbs (3.2 kg)

P6186



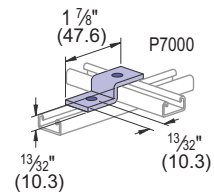
Wt/100 pcs: 8 Lbs (3.6 kg)

P6454



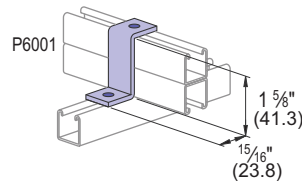
Wt/100 pcs: 5 Lbs (2.3 kg)

P7045



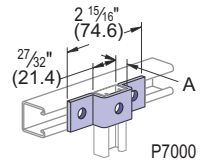
Wt/100 pcs: 6 Lbs (2.7 kg)

P6453



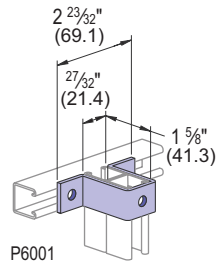
Wt/100 pcs: 9 Lbs (4.1 kg)

P6047, P7047



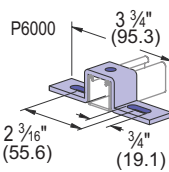
Part No.	A In (mm)	Wt/100 pcs Lbs (kg)	Use with Channel
P6047	13/16 20.6	12 5.4	P6000
P7047	13/32 10.3	10 4.5	P7000

P6737



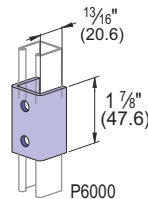
Wt/100 pcs: 16 Lbs (7.3 kg)

P6048



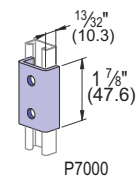
Wt/100 pcs: 14 Lbs (6.4 kg)

P6376



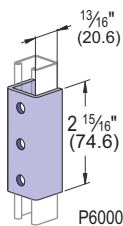
Wt/100 pcs: 17 Lbs (7.7 kg)

P7376



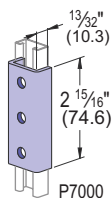
Wt/100 pcs: 11 Lbs (5.0 kg)

P6376A



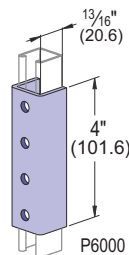
Wt/100 pcs: 26 Lbs (11.8 kg)

P7376A



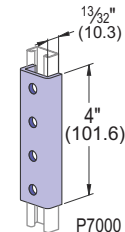
Wt/100 pcs: 16 Lbs (7.3 kg)

P6377



Wt/100 pcs: 36 Lbs (16.3 kg)

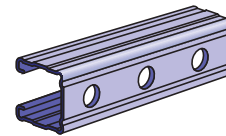
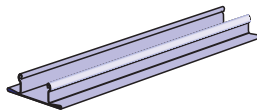
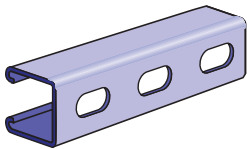
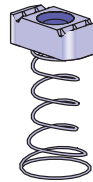
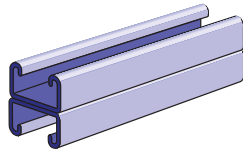
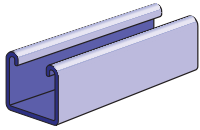
P7377



Wt/100 pcs: 24 Lbs (10.9 kg)

Standard Dimensions for 13/16" (20.6mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/32" (7.1mm); Hole Spacing - From End: 13/32" (10.3mm); Hole Spacing - On Center: 1 1/8" (27.0mm); Width: 13/16" (20.6mm); Thickness: 1/8" (3.2mm)



MATERIAL

STAINLESS STEEL

Channels: ASTM A 240 (Type 304)

Sintered nuts: ASTM B783 (Type SS316N1-25)

Fittings:

ASTM A240 (Type 304 or Type 316) or ASTM A276 (Type 304 or Type 316)

Contact factory for specific material availability

ALUMINUM

Channels (Extruded): ASTM B221 (Type 6063-T6)

Fittings: ASTM B209 (Type 1100F or Type 5052-H32)

Nuts: Stainless steel nuts are recommended for Aluminum channel

Material/Finish	Part Number Suffix	Example
Stainless Steel Type 304	SS	P1109 SS
Stainless Steel Type 316	ST	P1109 ST

LOAD DATA (BEAM & COLUMN)

To determine maximum allowable beam and column loading for channels in this section, multiply the load data in the appropriate mild steel channel sections of this catalog by the following factors:

Channel Material	Beam Load % Factor	Column Load % Factor
Extruded Aluminum	33%	33%
Stainless Steel	100%	100%

LOAD DATA (SLIP & PULL OUT)

EXTRUDED ALUMINUM

To determine nut slip resistance, multiply load data for appropriate nut by 75%. To determine nut pull-out load, multiply load data for appropriate nut by 50%.

STAINLESS STEEL

For design assistance, consult Robexstrut customer engineering.

PRODUCT AVAILABILITY

Most fittings and channels shown in this catalog, are available in aluminum or stainless steel. Consult factory for ordering information.

DIMENSIONS

Imperial dimensions are illustrated in inches. Metric dimensions are shown in parenthesis or as noted. Unless noted, all metric dimensions are in millimeters and rounded to one decimal place.

1 5/8" System

Telestrut

Nuts & Hardware

General Fittings

pipe/Conduit Support

Concrete Inserts

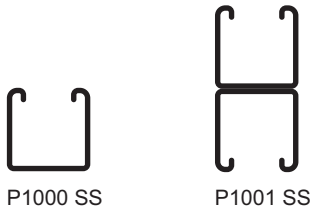
Solar

1 1/4" System

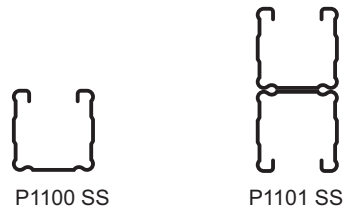
1 3/16" System

Special Metals

P1000 Series (12 gauge)



P1100 Series (14 gauge)



P3000 Series (12 gauge)



P3300 Series (12 gauge)



P4000 Series (16 gauge)



P6000 Series (19 gauge)



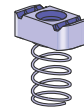
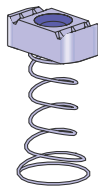
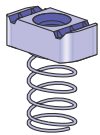
P7000 Series (19 gauge)



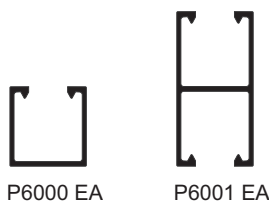
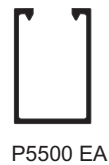
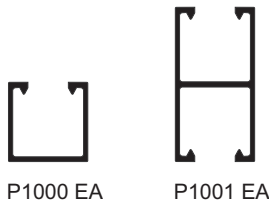
Closure Strips and End Caps



Stainless Steel Channel Nuts

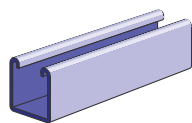


Extruded Aluminum Channels



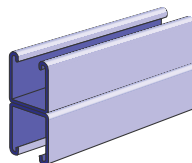
P1000 Series

P1000



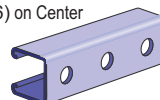
Wt/100 Ft: 190 Lbs (283 kg/100m)

P1001



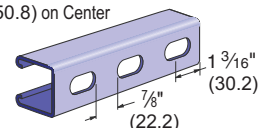
Wt/100 Ft: 380 Lbs (566 kg/100m)

P1000HS

 $\frac{9}{16}$ " (14.3) Dia. Holes
1 $\frac{7}{8}$ " (47.6) on Center


Wt/100 Ft: 185 Lbs (275 kg/100m)

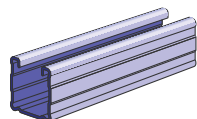
P1000T

Slots are
1 $\frac{1}{8}$ " (28.6)x $\frac{9}{16}$ " (14.3)
2" (50.8) on Center


Wt/100 Ft: 185 Lbs (275 kg/100m)

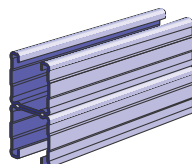
P1100 Series

P1100



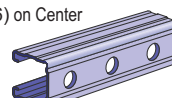
Wt/100 Ft: 142 Lbs (211 kg/100m)

P1101



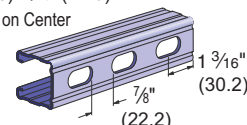
Wt/100 Ft: 284 Lbs (422 kg/100m)

P1100HS

 $\frac{9}{16}$ " (14.3) Dia. Holes
1 $\frac{7}{8}$ " (47.6) on Center


Wt/100 Ft: 136 Lbs (202 kg/100 m)

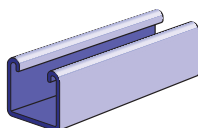
P1100T

Slots are
1 $\frac{1}{8}$ " (28.6)x $\frac{9}{16}$ " (14.3)
2" (50.8) on Center


Wt/100 Ft: 136 Lbs (202 kg/100m)

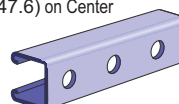
P3000 Series

P3000



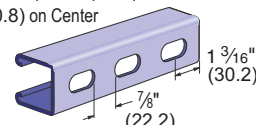
Wt/100 Ft: 170 Lbs (253 kg/100m)

P3000HS

 $\frac{9}{16}$ " (14.3) Dia. Holes
1 $\frac{7}{8}$ " (47.6) on Center


Wt/100 Ft: 165 Lbs (112 kg/100m)

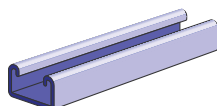
P3000T

Slots are
1 $\frac{1}{8}$ " (28.6)x $\frac{9}{16}$ " (14.3)
2" (50.8) on Center


Wt/100 Ft: 165 Lbs (112 kg/100m)

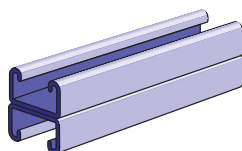
P3300 Series

P3300



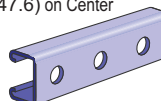
Wt/100 Ft: 135 Lbs (201 kg/100m)

P3301



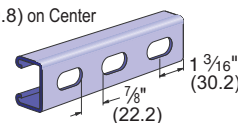
Wt/100 Ft: 270 Lbs (402 kg/100m)

P3300HS

 $\frac{9}{16}$ " (14.3) Dia. Holes
1 $\frac{7}{8}$ " (47.6) on Center


Wt/100 Ft: 130 Lbs (193 kg/100m)

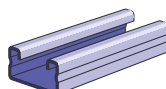
P3300T

Slots are
1 $\frac{1}{8}$ " (28.6)x $\frac{9}{16}$ " (14.3)
2" (50.8) on Center


Wt/100 Ft: 130 Lbs (193 kg/100m)

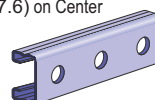
P4000 Series

P4000



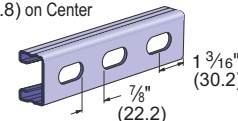
Wt/100 Ft: 82 Lbs (122 kg/100m)

P4000HS

 $\frac{9}{16}$ " (14.3) Dia. Holes
1 $\frac{7}{8}$ " (47.6) on Center


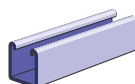
Wt/100 Ft: 79 Lbs (110 kg/100m)

P4000T

Slots are
1 $\frac{1}{8}$ " (28.6)x $\frac{9}{16}$ " (14.3)
2" (50.8) on Center


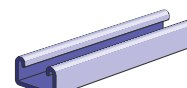
Wt/100 Ft: 79 Lbs (110 kg/100m)

P6000



Wt/100 Ft: 37 Lbs (55 kg/100m)

P7000



Wt/100 Ft: 36 Lbs (54 kg/100m)

1 $\frac{5}{8}$ " System

Telestrut

Nuts & Hardware

General Fittings

Pipe/Conduit Support

Concrete Inserts

Solar

1 $\frac{1}{4}$ " System

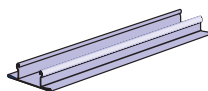
 $\frac{3}{4}$ " System

Special Metals

P1184

CLOSURE STRIP

A4001EA



Standard length 10 Ft.

Material: Stainless steel type 304.

CHANNEL NUT WITH SPRING – USE WITH 1 1/4" CHANNEL

Part Number	Use With Channel	"W" In (mm)	Wt/100 Ft Lbs (kg/m)
P1184 SS	P1000		
	P1100	1 1/4"	27
	P3300	41.3	40.2
	P4000		

CHANNEL NUT WITH SPRING – USE WITH 1 1/4" CHANNEL

	Part number	Nut Size Thread	Wt/100 pcs Lbs (kg)	Use With
	A1006-1420	1/4" -20	6(2.7)	A1000
	A1008	3/8" -16	6(2.7)	
	Part number	Nut Size Thread	Wt/100 pcs Lbs (kg)	Use With
	A4008	3/8" -16	5(2.3)	A3300, A4000

All Springs are Pre-Galvanized

CHANNEL NUT WITHOUT SPRINGS – USE WITH 1 1/4" CHANNEL

	Part number	Nut Size Thread	Wt/100 pcs Lbs (kg)	Use With 1 1/4" Channel
	P3006-1420 SS	1/4" 20	7(3.2)	Any Channel
	P3008 SS	3/8" 16	10(5)	
	P3010 SS	1/2" 13	12(4)	P1000, P1100, P2000, P3000

* Domestic stainless steel nuts are available. To designate a domestic part, insert a "U" as the sixth character in the part number. Ex: P3008U SS or P3010U SS

CHANNEL NUT WITH SPRING – USE WITH 1 1/2" CHANNEL

	Part number	Nut Size Thread	Wt/100 pcs Lbs (kg)	Use With 1 1/2" Channel
	P1006-1420*	1/4" 20	7(3.2)	P1000, P1100, P2000, P3000, P4400
	P1008*	3/8" 16	10(5)	
	P1010*	1/2" 13	12(4)	
	Part number	Nut Size Thread	Wt/100 pcs Lbs (kg)	Use With 1 1/2" Channel
	P4006-1420*	1/4" 20	7(3.2)	P3300, P4000, P4100, P4520
	P4008*	3/8" 16	9(4.1)	
	P4010*	1/2" 13	9(4.1)	
	Part number	Nut Size Thread	Wt/100 pcs Lbs (kg)	Use With 1 1/2" Channel
	P5506-1420*	1/4" 20	7(3.2)	P5000, P5500
	P5508*	3/8" 16	10(5)	
	P5510*	1/2" 13	10(5)	

* Domestic stainless steel nuts are available. To designate a domestic part, insert a "U" as the sixth character in the part number. Ex: P4006U 1420 SS or P1008U SS.

TOP SPRING CHANNEL NUTS – USE WITH 1 1/4" CHANNEL

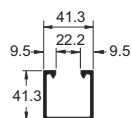
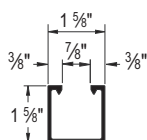
	Part number	Nut Size Thread	Wt/100 pcs Lbs (kg)	Use With 1 1/4" Channel
	P4008UT SS*	3/8" 16	12(4)	P3300, P4000, P4100, P4400, P4520
	P1006TU1420SS*	1/4" -20	7(3.2)	Any Channel
	P1008TU SS*	3/8" -16	10(5)	
	Part number	Nut Size Thread	Wt/100 pcs Lbs (kg)	Use With 1 1/4" Channel
	P1010TU SS*	1/2" -13	12(4)	Any Channel Except P3300, P4000, P4400, P4520, P4100

Top Spring stainless steel channel nuts are domestic

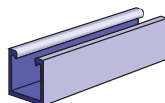
Note

Most fittings, as shown in this catalog are available in stainless steel or aluminum. It is recommended that stainless steel channel nuts be used with aluminum channels.

P1000 EA

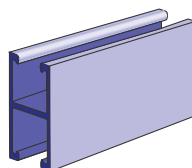
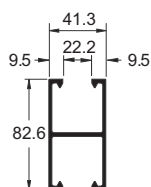
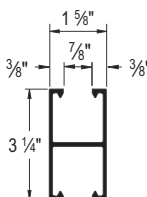


When used
with P3184 EA.



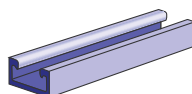
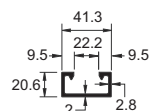
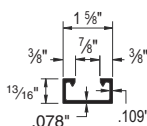
Wt/100 Ft: 76 Lbs (113 kg/100 m)
Aluminum Type 6063-T6
Nominal Thickness .109" (2.8mm)

P1001 EA



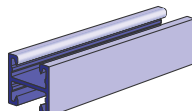
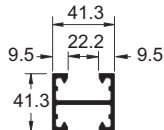
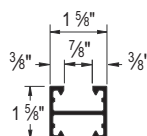
Wt/100 Ft: 134 Lbs (199 kg/100 m)
Aluminum Type 6063-T6
12 Gauge Nominal Thickness .109" (2.8mm)

P4000 EA



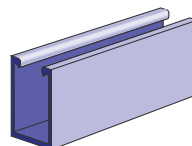
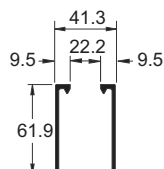
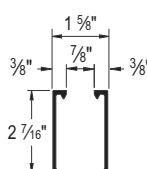
Wt/100 Ft: 45 Lbs (67 kg/100 m)
Aluminum Type 6063-T6
Nominal Thickness .078" (2.0mm)

P4001 EA



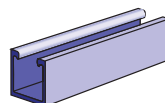
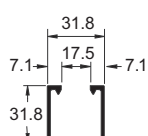
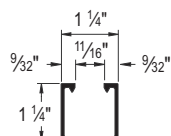
Wt/100 Ft: 66 Lbs (98 kg/100 m)
Aluminum Type 6063-T6
Nominal Thickness .078" (2.0mm)

P5500 EA



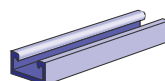
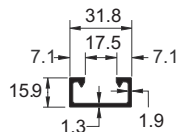
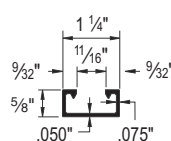
Wt/100 Ft: 97 Lbs (144 kg/100 m)
Aluminum Type 6063-T6
Nominal Thickness .109" (2.8mm)

A1000 EA



Wt/100 Ft: 40 Lbs (60 kg/100 m)
Aluminum Type 6063-T6
Nominal Thickness .075" (1.9mm)

A4000 EA



Wt/100 Ft: 25 Lbs (37 kg/100 m)
Aluminum Type 6063-T6
12 Gauge Nominal Thickness .050" (1.3mm)
Standard Length 16 Ft.

1 5/8" System

Telestrut

Nuts & Hardware

General Fittings

Pipe/Conduit Support

Concrete Inserts

Solar

1 1/4" System

3/16" System

Special Metals



Get in touch now

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