

Stainless Steel Channel 206

Stainless Steel Nuts and Closure Strips 207

Extruded Aluminum Channels 208 - 209

Aluminum Closure Strips and End Caps 209

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 Unistrut customer engineering.

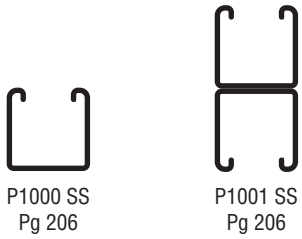
PRODUCT AVAILABILITY

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

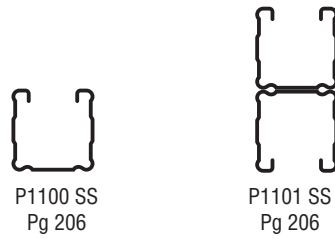
DIMENSIONS

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.

P1000 Series (12 gauge)



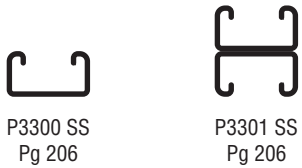
P1100 Series (14 gauge)



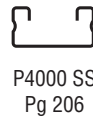
P3000 Series (12 gauge)



P3300 Series (12 gauge)



P4000 Series (16 gauge)



P6000 Series (19 gauge)



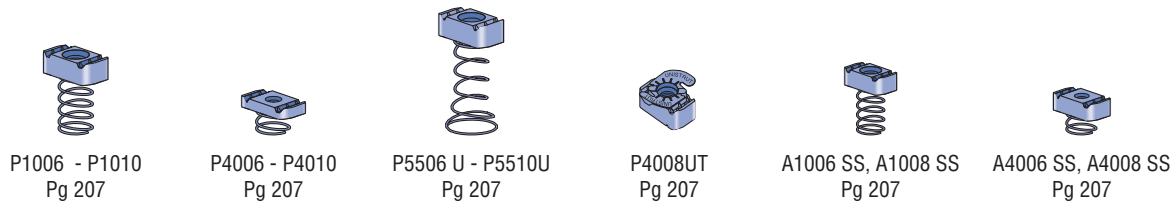
P7000 Series (19 gauge)



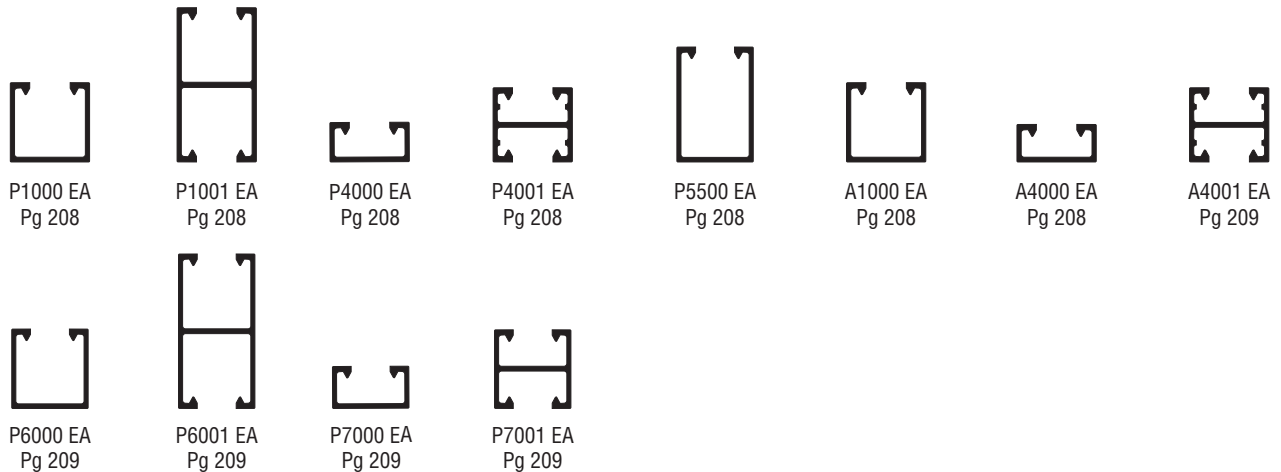
Closure Strips and End Caps



Stainless Steel Channel Nuts



Extruded Aluminum Channels



1/4" System

3/16" System

Fiberglass System

Special Metals

PrimeAngle

Metal Grating

Roofwalk

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1 1/4" System

1 3/16" System

Fiberglass System

Special Metals

PrimeAngle

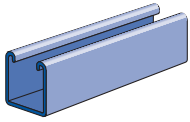
Metal Grating

Roofwalk

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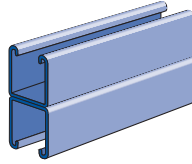
P1000 Series

P1000



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

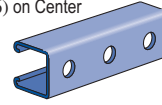
P1001



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

P1000HS

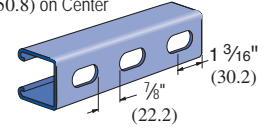
9/16" (14.3) Dia. Holes
1 7/8" (47.6) on Center



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

P1000T

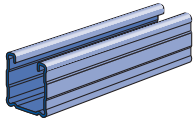
Slots are
1 1/8" (28.6) x 9/16" (14.3)
2" (50.8) on Center



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

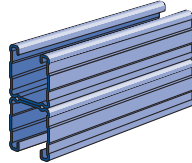
P1100 Series

P1100



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

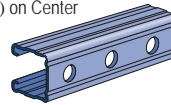
P1101



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

P1100HS

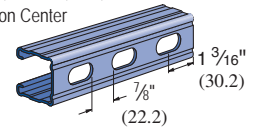
9/16" (14.3) Dia. Holes
1 7/8" (47.6) on Center



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

P1100T

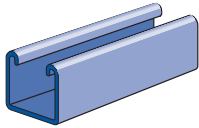
Slots are
1 1/8" (28.6) x 9/16" (14.3)
2" (50.8) on Center



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

P3000 Series

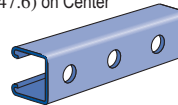
P3000



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

P3000HS

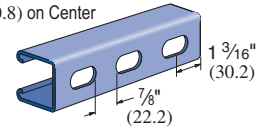
9/16" (14.3) Dia. Holes
1 7/8" (47.6) on Center



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

P3000T

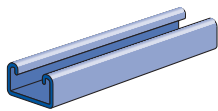
Slots are
1 1/8" (28.6) x 9/16" (14.3)
2" (50.8) on Center



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

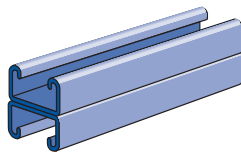
P3300 Series

P3300



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

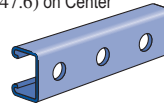
P3301



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

P3300HS

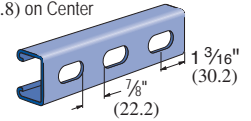
9/16" (14.3) Dia. Holes
1 7/8" (47.6) on Center



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

P3300T

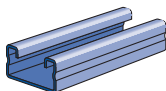
Slots are
1 1/8" (28.6) x 9/16" (14.3)
2" (50.8) on Center



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

P4000 Series

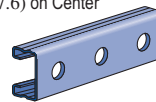
P4000



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

P4000HS

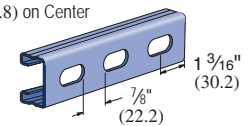
9/16" (14.3) Dia. Holes
1 7/8" (47.6) on Center



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

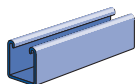
P4000T

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



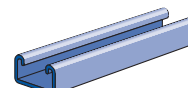
Wt/100 Ft: 79 Lbs (110 kg/100m)

P6000



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

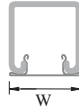
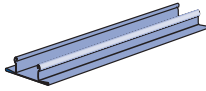
P7000



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

P1184

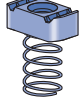
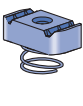
CLOSURE STRIP



Standard length 10 Ft.
Material: Stainless steel type 304.

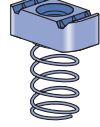

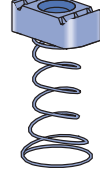
Part Number	Use With Channel	"W" In (mm)	Wt/100 Ft Lbs (kg/m)
P1184 SS	P1000		
	P1100	1 1/8"	27
	P3300	41.3	40.2
	P4000		

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

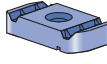
	Part number	Nut Size Thread	Wt/100 pcs Lbs (kg)	Use With
	A1006-1420	1/4" -20	6 (2.7)	
A1008	3/8" -16	6 (2.7)		
	Part number	Nut Size Thread	Wt/100 pcs Lbs (kg)	Use With
	A4008	3/8" -16	5 (2.3)	

All Springs are Pre-Galvanized

CHANNEL NUT WITH SPRING – USE WITH 1 5/8" CHANNEL

	Part number	Nut Size Thread	Wt/100 pcs Lbs (kg)	Use With 1 5/8" Channel	
	P1006-1420*	1/4" 20	7 (3.2)		P1000, P1100, P2000, P3000, P4400
	P1008*	3/8" 16	10 (4.5)		
P1010*	1/2" 13	12 (5.4)			
	Part number	Nut Size Thread	Wt/100 pcs Lbs (kg)	Use With 1 5/8" 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 5/8" Channel	
	P5506-1420*	1/4" 20	7 (3.2)		P5000, P5500
	P5508*	3/8" 16	10 (4.5)		
P5510*	1/2" 13	10 (4.5)			

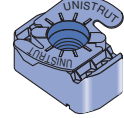
CHANNEL NUT WITHOUT SPRINGS – USE WITH 1 5/8" CHANNEL

	Part number	Nut Size Thread	Wt/100 pcs Lbs (kg)	Use With 1 5/8" Channel	
	P3006-1420 SS	1/4" 20	7 (3.2)		Any Channel
	P3008 SS	3/8" 16	10 (4.5)		
P3010 SS	1/2" 13	12 (5.4)	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

* 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 5/8" CHANNEL

	Part number	Nut Size Thread	Wt/100 pcs Lbs (kg)	Use With 1 5/8" Channel
	P4008UT SS*	3/8" 16	12 (5.4)	
	P1006TU1420SS*	1/4" -20	7 (3.2)	Any Channel
	P1008TU SS*	3/8" -16	10 (4.5)	
P1010TU SS*	1/2" -13	12 (5.4)	Any Channel Except P3300, P4000, P4400, P4520, P4100	

Top Spring stainless steel channel nuts are domestic

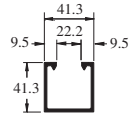
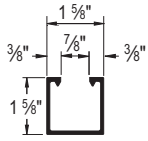
Note

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.

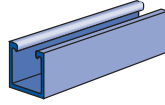


1 1/4" System

P1000 EA



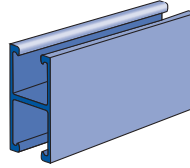
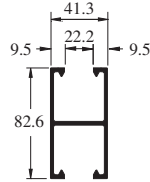
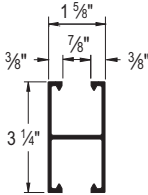
When used with P3184 EA.



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

1 3/16" System

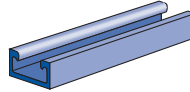
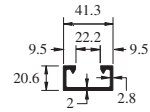
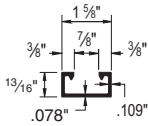
P1001 EA



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

Fiberglass System

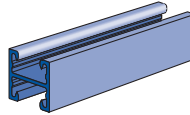
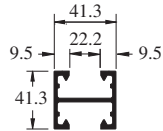
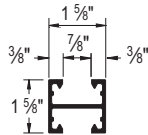
P4000 EA



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

Special Metals

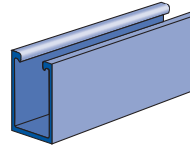
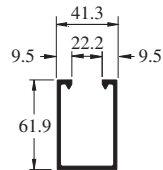
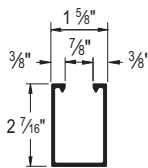
P4001 EA



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

PrimeAngle

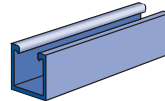
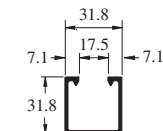
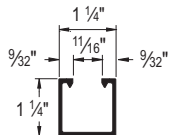
P5500 EA



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

Metal Grating

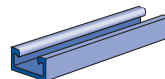
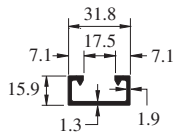
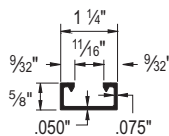
A1000 EA



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

Roofwalk

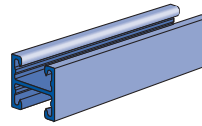
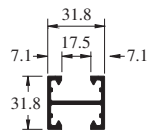
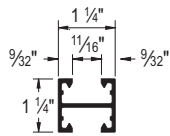
A4000 EA



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

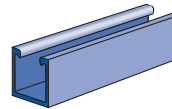
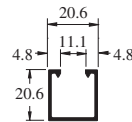
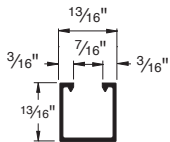
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A4001 EA



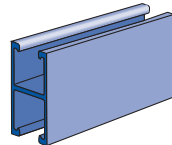
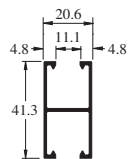
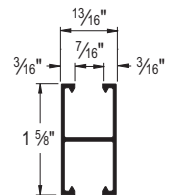
Wt/100 Ft: 40 Lbs (60 kg/100 m)
 Aluminum Type 6063-T6
 Nominal Thickness .078" (2.0mm)
 Standard Length 16 Ft.

P6000 EA



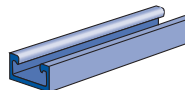
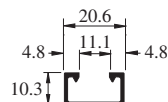
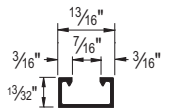
Wt/100 Ft: 12 Lbs (18 kg/100 m)
 Aluminum Type 6063-T6
 Nominal Thickness .040" (1.0mm)
 Standard Length 16 Ft.

P6001 EA



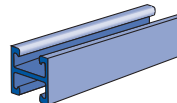
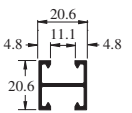
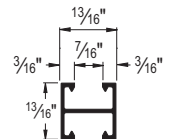
Wt/100 Ft: 20 Lbs (30 kg/100 m)
 Aluminum Type 6063-T6
 Nominal Thickness .040" (1.0mm)
 Standard Length 16 Ft.

P7000 EA



Wt/100 Ft: 9 Lbs (13 kg/100 m)
 Aluminum Type 6063-T6
 Nominal Thickness .040" (1.0mm)
 Standard Length 10 Ft.

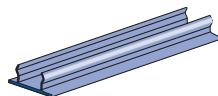
P7001 EA



Wt/100 Ft: 17 Lbs (25 kg/100 m)
 Aluminum Type 6063-T6
 12 Gauge Nominal Thickness .040" (1.0mm)
 Standard Length 10 Ft

P3184 EA

CLOSURE STRIP



Wt/100 Ft: 21 Lbs (31 kg/100 m)
 Aluminum Type 6063-T6
 Standard Length 10 Ft

P1280 EA, P4280 EA, P5580 EA

END CAPS



Part Number	Use With Channel	Wt/100 Ft Lbs(kg/m)
P1280 EA	P1000 EA	3.5 (1.6)
P4280 EA	P4000 EA	1.5 (0.7)
P5500 EA	P5500 EA	4.9 (2.2)