



## P3300SL - 1-5/8" x 7/8", 12 Gauge, Long Slots

**12 Gauge Slotted Strut Channel P3300SL has long slots on the back side for use with 3/8" threaded rod and fasteners. These slots can eliminate the need for field drilling and allow adjustability when installing. The slots are 3" long with 1" spacing.**

### Features

- Product dimensions are 1 5/8" wide x 7/8" tall x 12 ga. thick; with slots.
- The slots are 13/32" wide x 3" long, 4" on center and sized for use with 3/8" threaded rod or fasteners.
- Our P3300SL is available in the following finishes: Pre-Galvanized (PG), Hot-Dip Galvanized (HG), Plain (PL), Green (GR), Zinc Dichromate (ZD) and Stainless Steel (SS).
- Made in the USA

### Standard Lengths:

- **10 feet:** 10' or 10' 1/8" (3.05m)  $\pm$  1/8" (3 mm)
- **20 feet:** 20' or 20' 3/8" (6.11m)  $\pm$  1/8" (3 mm)

### Special Lengths:

- Available with a tolerance of  $\pm$  1/8" (3 mm). Request quote.

### Curved Channel:

- Many Unistrut channel sections can be supplied with a curve. Click here for our ordering form, specifications, and instructions.

### Load Data:

- All beam and column load data pertains to carbon steel and stainless steel channels.
- Load tables apply only to UNISTRUT brand channel. Look for "UNISTRUT" on the product.
- 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.
- Safety Factor to Yield Strength is 1.67 for Beam Loads and 1.80 for Column Loads.
- Beam loads are based on a simple beam and are given as a total uniform load (W) in pounds. For proper calculation procedures, refer to our Beam Load Calculation Guide under Resources.
- For bearing loads, reference our Bearing Loads Page.

### Materials & Finishes - Standard:

- **Pregalvanized (PG):** Conforms to ASTM A653 SS GR 33, G90.
- **Unistrut Defender (DF):** Conforms to ASTM A1046 SS GR 33
- **Hot Dip Galvanized (HG):** Steel conforms to ASTM A1011 SS GR 33, Finish conforms to ASTM A123
- **Perma-Green (GR):** Steel conforms to ASTM A1011 SS GR 33, E-Coat finish
- **Perma-Gold (ZD):** Steel conforms to ASTM A1011 SS GR 33, Finish conforms to ASTM B633, Type II SC3
- **Plain (PL):** Conforms to ASTM A1011 SS GR 33

### Materials & Finishes - Special Metals:

- **Stainless Steel, Type 304 (SS):** ASTM A240, Type 304 \*
- **Stainless Steel, Type 316 (ST):** ASTM A240, Type 316 \*
- **Aluminum (EA):** ASTM B221, Type 6063-T6 (Extruded) \*

\* These materials have different physical properties and performance characteristics. Please contact us for design support.



Catalog Number	Length (ft)	Gauge	Material Type	Surface Finish	Part Weight (lb/ft)	Standard Package Qty (ft)	Standard Package Weight (lb)
P3300SL 10GR	10	12	Steel	Green E-Coat	1.3	500	650
P3300SL 10HG	10	12	Steel	Hot-Dip Galvanized	1.3	500	650
P3300SL 10PG	10	12	Steel	Pre-Galvanized	1.3	500	650
P3300SL 10PL	10	12	Steel	Plain/Oil	1.3	500	650
P3300SL 10SS	10	12	Stainless Steel - 304		1.3	500	650
P3300SL 10ST	10	12	Stainless Steel - 316		1.3	500	650
P3300SL 20GR	20	12	Steel	Green E-Coat	1.35	1000	1350
P3300SL 20HG	20	12	Steel	Hot-Dip Galvanized	1.3	1000	1300
P3300SL 20PG	20	12	Steel	Pre-Galvanized	1.35	1000	1350
P3300SL 20PL	20	12	Steel	Plain/Oil	1.35	1000	1350
P3300SL 10ZD	20	12	Steel	Zinc Dichromate	1.3	1000	1300

Beam Loading - P3300SL						
Span (in)	Max Allow. Uniform Load (lbs)	Deflection at Uniform Load (in)	Uniform Loading at Deflection			Lateral Bracing Reduction Factor
			Span/180 (lbs)	Span/240 (lbs)	Span/360 (lbs)	
24	510	0.10	510	510	340	1.00
36	340	0.22	306	230	153	1.00
48	255	0.40	170	128	85	1.00
60	204	0.62	111	85	51	0.98
72	170	0.89	77	60	34	0.97
84	145	1.20	60	43	26	0.96
96	128	1.59	43	34	26	0.94
108	111	1.96	34	26	17	0.93
120	102	2.48	26	17	17	0.92

Refer to the General Specifications for loading information.

Column Loading - P3300SL					
Unbraced Height (in)	Allowable Load at Slot Face (lbs)	Max Column Load Applied at C.G.			
		K=0.65 (lbs)	K=0.80 (lbs)	K=1.0 (lbs)	K=1.2 (lbs)
24	2,360	7,740	7,260	6,350	5,390
36	2,120	6,470	5,390	3,990	2,810
48	1,760	4,910	3,550	2,270	1,580
60	1,380	3,440	2,270	1,460	KL/r>200
72	1,080	2,390	1,580	KL/r>200	KL/r>200

Refer to the General Specifications for loading information.

Elements of Section - P3300SL		
Area of Section	0.395 in <sup>2</sup> (2.5 cm <sup>2</sup> )	
	Axis 1-1	Axis 2-2
Moment of Inertia (I)	0.037 in <sup>4</sup> (1.5 cm <sup>4</sup> )	0.143 in <sup>4</sup> (6 cm <sup>4</sup> )
Section Modulus (S)	0.072 in <sup>3</sup> (1.2 cm <sup>3</sup> )	0.176 in <sup>3</sup> (2.9 cm <sup>3</sup> )
Radius of Gyration (r)	0.306 in (0.8 cm)	0.601 in (1.5 cm)