



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

Part No.	Length (ft)	Finish	Product Weight / Ft (lbs/ft)
P4100SL	20	PG	0.87
P4100SL	10	PG	0.87
P4100SL	10	HG	0.87
P4100SL	20	GR	0.87
P4100SL	10	GR	0.87
P4100SL	20	ZD	0.87
P4100SL	20	SS	0.87

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.

Project:

Architect / Engineer:

Date: **Phone:**

Contractor:

Address:

Notes:

Approval Stamp:

Beam Loading - P4100SL						
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	383	0.11	383	357	238	1.00
36	255	0.24	213	162	111	0.98
48	196	0.44	119	94	60	0.94
60	153	0.67	77	60	43	0.91
72	128	0.96	51	43	26	0.89
84	111	1.32	43	26	17	0.86
96	94	1.67	34	26	17	0.84
108	85	2.16	26	17	9	0.82
120	77	2.67	17	17	9	0.80
144	68	4.09	17	NR	NR	0.76
168	51	4.88	NR	NR	NR	0.73
192	51	7.28	NR	NR	NR	0.69
216	43	8.64	NR	NR	NR	0.65
240	43	11.85	NR	NR	NR	0.61
Note	NR - Not Recommended					

Refer to the General Specifications for loading information.

Column Loading - P4100SL					
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	1,840	5,610	5,210	4,570	3,850
36	1,640	4,660	3,850	2,800	1,960
48	1,310	3,490	2,480	1,590	1,100
60	1,000	2,400	1,590	KL/r>200	KL/r>200
72	770	1,670	1,100	KL/r>200	KL/r>200

Refer to the General Specifications for loading information.