



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)
P1100HS	20	PG	1.36
P1100HS	10	PG	1.36
P1100HS	10	HG	1.442
P1100HS	20	HG	1.442
P1100HS	20	GR	1.36
P1100HS	10	GR	1.36
P1100HS	20	PL	1.36
P1100HS	10	PL	1.36
P1100HS	20	SS	1.36

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:	<input style="width: 100%;" type="text"/>		
Architect / Engineer:	<input style="width: 100%;" type="text"/>		
Date:	<input style="width: 90%;" type="text"/>	Phone:	<input style="width: 15%;" type="text"/>
Contractor:	<input style="width: 100%;" type="text"/>		
Address:	<input style="width: 100%;" type="text"/>		
Notes:	<input style="width: 100%;" type="text"/>		

Approval Stamp:

Beam Loading - P1100HS						
Span (in)	Max Allowable 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	1,215	0.06	1,215	1,215	1,215	1.00
36	810	0.13	810	810	630	0.89
48	612	0.23	612	531	360	0.78
60	486	0.36	459	342	225	0.68
72	405	0.51	315	234	162	0.59
84	351	0.70	234	171	117	0.52
96	306	0.92	180	135	90	0.47
108	270	1.15	144	108	72	0.43
120	243	1.42	117	81	54	0.40
144	207	2.09	81	63	36	0.36
168	171	2.75	54	45	27	0.32
192	153	3.67	45	36	NR	0.30
216	135	4.61	36	27	NR	0.28
240	126	5.90	27	NR	NR	0.26
Note	NR - Not Recommended					

Refer to the General Specifications for loading information.

Column Loading - P1100HS					
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	2,800	8,040	7,330	6,360	5,430
36	2,410	6,480	5,430	4,190	3,210
48	1,940	4,990	3,830	2,760	2,160
60	1,550	3,740	2,760	2,050	1,640
72	1,290	2,860	2,160	1,640	1,320
84	1,100	2,310	1,780	1,370	1,110
96	950	1,950	1,520	1,180	950
108	840	1,690	1,320	1,030	KL/r>200
120	760	1,490	1,180	KL/r>200	KL/r>200
144	630	1,210	950	KL/r>200	KL/r>200

Refer to the General Specifications for loading information.