



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.

Part No.	Length (ft)	Finish	Product Weight / Ft (lbs/ft)
P1000HS	10	PG	1.85
P1000HS	20	PG	1.85
P1000HS	10	HG	1.961
P1000HS	20	HG	1.961
P1000HS	20	GR	1.85
P1000HS	10	GR	1.85
P1000HS	20	PL	1.85
P1000HS	10	PL	1.85
P1000HS	20	ZD	1.85
P1000HS	10	ZD	1.85
P1000HS	10	SS	1.85
P1000HS	20	SS	1.85
P1000HS	10	EA	0.76
P1000HS	20	EA	0.76

Beam Loading - P1000HS						
Span (in)	Max Allow. Uniform Load (lbs)	Defl at Uniform Load (in)	Uniform Loading at Deflection			Lateral Bracing Reduction Factor
			Span/180 (lbs)	Span/240 (lbs)	Span/360 (lbs)	
24	1,521	0.06	1,521	1,521	1,521	1.00
36	1,017	0.13	1,017	1,017	810	0.94
48	765	0.22	765	684	450	0.88
60	612	0.35	585	432	288	0.82
72	504	0.50	405	306	198	0.78
84	432	0.68	297	225	144	0.75
96	378	0.89	225	171	117	0.71
108	342	1.14	180	135	90	0.69
120	306	1.40	144	108	72	0.66
144	252	2.00	99	72	54	0.61
168	216	2.72	72	54	36	0.55
192	189	3.55	54	45	NR	0.51
216	171	4.58	45	36	NR	0.47
240	153	5.62	36	NR	NR	0.44
Note	NR - Not Recommended					

Refer to the General Specifications for loading information.

Column Loading - P1000HS					
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	3,550	10,740	9,890	8,770	7,740
36	3,190	8,910	7,740	6,390	5,310
48	2,770	7,260	6,010	4,690	3,800
60	2,380	5,910	4,690	3,630	2,960
72	2,080	4,840	3,800	2,960	2,400
84	1,860	4,040	3,200	2,480	1,980
96	1,670	3,480	2,750	2,110	1,660
108	1,510	3,050	2,400	1,810	KL/r>200
120	1,380	2,700	2,110	KL/r>200	KL/r>200
144	1,150	2,180	1,660	KL/r>200	KL/r>200

Refer to the General Specifications for loading information.

Project:

Architect / Engineer:

Date: **Phone:**

Contractor:

Address:

Notes:

Approval Stamp: