



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)
P1000T	10	PG	1.85
P1000T	20	PG	1.85
P1000T	10	DF	1.961
P1000T	20	DF	1.961
P1000T	20	HG	1.961
P1000T	10	HG	1.961
P1000T	20	GR	1.85
P1000T	10	GR	1.85
P1000T	10	PL	1.85
P1000T	20	PL	1.85
P1000T	10	ZD	1.85
P1000T	20	ZD	1.85
P1000T	20	SS	1.85
P1000T	10	SS	1.88
P1000T	20	ST	1.85
P1000T	10	EA	0.76
P1000T	20	EA	0.76

Project:

Architect / Engineer:

Date: **Phone:**

Contractor:

Address:

Notes:

Approval Stamp:

Beam Loading - P1000T						
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	1,437	0.06	1,437	1,437	1,437	1.00
36	961	0.13	961	961	765	0.94
48	723	0.22	723	646	425	0.88
60	578	0.35	553	408	272	0.82
72	476	0.50	383	289	187	0.78
84	408	0.68	281	213	136	0.75
96	357	0.89	213	162	111	0.71
108	323	1.14	170	128	85	0.69
120	289	1.40	136	102	68	0.66
144	238	2.00	94	68	51	0.61
168	204	2.72	68	51	34	0.55
192	179	3.55	51	43	NR	0.51
216	162	4.58	43	34	NR	0.47
240	145	5.62	34	NR	NR	0.44
Note	NR - Not Recommended					

Refer to the General Specifications for loading information.

Column Loading - P1000T					
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.