



Materials & Finishes - Standard:

- **Pregalvanized (PG):** Conforms to ASTM A653 SS GR 33, G90.
- **Power-Strut 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)
PS 500 2 T3	20	PG	1.97
PS 500 2 T3	10	PG	1.97
PS 500 2 T3	20	HG	2.056
PS 500 2 T3	10	HG	2.056
PS 500 2 T3	20	GR	1.97
PS 500 2 T3	10	GR	1.97
PS 500 2 T3	20	PL	1.97
PS 500 2 T3	10	PL	1.97
PS 500 2 T3	10	ZD	1.97

Beam Loading - PS 500 2T3						
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	* 1,090	0.06	* 1,090	* 1,090	* 1,090	1.00
36	800	0.14	800	800	570	1.00
48	600	0.25	600	480	320	1.00
60	480	0.39	410	310	200	0.96
72	400	0.57	280	210	140	0.92
84	340	0.76	210	160	100	0.89
96	300	1.00	160	120	80	0.85
108	270	1.29	130	90	60	0.81
120	240	1.57	100	80	50	0.78
144	200	2.26	70	50	40	0.71
168	170	3.05	50	40	30	0.64
192	150	4.02	40	NR	NR	0.57
216	130	4.96	NR	NR	NR	0.50
240	120	6.28	NR	NR	NR	0.45
Note	NR - Not Recommended					
Note	*Load limited by weld shear					

Refer to the General Specifications for loading information.

Column Loading - PS 500 2T3					
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	3,240	12,370	11,950	11,370	10,540
36	3,120	11,470	10,540	9,160	7,720
48	2,940	10,090	8,680	6,770	4,980
60	2,680	8,560	6,770	4,590	3,190
72	2,310	7,010	4,980	3,190	2,220
84	1,950	5,530	3,660	2,340	KL/r>200
96	1,650	4,250	2,800	KL/r>200	KL/r>200
108	1,410	3,360	2,220	KL/r>200	KL/r>200

Refer to the General Specifications for loading information.

Project:			
Architect / Engineer:			
Date:		Phone:	
Contractor:			
Address:			
Notes:			

Approval Stamp: