



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 210	20	PG	1.42
PS 210	10	PG	1.42
PS 210	20	HG	1.484
PS 210	10	HG	1.484
PS 210	20	GR	1.42
PS 210	10	GR	1.42
PS 210	10	PL	1.42
PS 210	20	PL	1.42
PS 210	10	ZD	1.42
PS 210	20	ZD	1.42
PS 210	20	SS	1.42
PS 210	10	SS	1.42

Beam Loading - PS 200 2T3						
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	1,350	0.06	1,350	1,350	1,350	1.00
36	900	0.13	900	900	700	0.89
48	680	0.23	680	590	400	0.78
60	540	0.36	510	380	250	0.68
72	450	0.51	350	260	180	0.59
84	390	0.70	260	190	130	0.52
96	340	0.92	200	150	100	0.47
108	300	1.15	160	120	80	0.43
120	270	1.42	130	90	60	0.40
144	230	2.09	90	70	40	0.36
168	190	2.75	60	50	30	0.32
192	170	3.67	50	40	NR	0.30
216	150	4.61	40	30	NR	0.28
240	140	5.90	30	NR	NR	0.26
Note	NR - Not Recommended					

Refer to the General Specifications for loading information.

Column Loading - PS 210					
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.

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

Approval Stamp: