



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)
PS200	10	PG	1.89
PS200	20	PG	1.89
PS200	10	DF	2.014
PS200	20	DF	2.014
PS200	10	HG	2.014
PS200	20	HG	2.014
PS200	10	GR	1.89
PS200	20	GR	1.89
PS200	10	PL	1.89
PS200	20	PL	1.89
PS200	10	ZD	1.89
PS200	20	ZD	1.89
PS200	10	SS	1.89
PS200	20	SS	1.89
PS200	10	ST	1.89
PS200	20	ST	1.89
PS200	10	EA	0.733
PS200	20	EA	0.733

Beam Loading - PS 200						
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	1,690	0.06	1,690	1,690	1,690	1.00
36	1,130	0.13	1,130	1,130	900	0.94
48	850	0.22	850	760	500	0.88
60	680	0.35	650	480	320	0.82
72	560	0.5	450	340	220	0.78
84	480	0.68	330	250	160	0.75
96	420	0.89	250	190	130	0.71
108	380	1.14	200	150	100	0.69
120	340	1.40	160	120	80	0.66
144	280	2.00	110	80	60	0.61
168	240	2.72	80	60	40	0.55
192	210	3.55	60	50	NR	0.51
216	190	4.58	50	40	NR	0.47
240	170	5.62	40	NR	NR	0.44
Note	NR - Not Recommended					

Refer to the General Specifications for loading information.

Project:

Architect / Engineer:

Date: **Phone:**

Contractor:

Address:

Notes:

Column Loading - PS 200					
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.

Approval Stamp: