



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 300	20	PG	1.7
PS 300	10	PG	1.7
PS 300	10	HG	1.802
PS 300	20	HG	1.802
PS 300	20	GR	1.7
PS 300	10	GR	1.7
PS 300	10	PL	1.7
PS 300	20	PL	1.7
PS 300	10	ZD	1.7
PS 300	20	ZD	1.7
PS 300	10	SS	1.7
PS 300	20	SS	1.7
PS 300	10	ST	1.7
PS 300	20	ST	1.7

Beam Loading - PS 300						
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	1,280	0.07	1,280	1,280	1,280	1.00
36	850	0.15	850	850	580	0.96
48	640	0.26	640	490	330	0.91
60	510	0.41	420	310	210	0.88
72	430	0.59	290	220	150	0.84
84	370	0.81	210	160	110	0.82
96	320	1.05	160	120	80	0.79
108	280	1.30	130	100	60	0.77
120	260	1.66	100	80	50	0.75
144	210	2.32	70	50	40	0.70
168	180	3.15	50	40	30	0.66
192	160	4.18	40	30	NR	0.62
216	140	5.21	NR	NR	NR	0.58
240	130	6.64	NR	NR	NR	0.54
Note	NR - Not Recommended					

Refer to the General Specifications for loading information.

Column Loading - PS 300					
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	3,180	9,690	8,980	8,050	7,210
36	2,920	8,160	7,210	6,130	5,240
48	2,590	6,820	5,810	4,730	3,860
60	2,300	5,740	4,730	3,690	2,990
72	2,040	4,850	3,860	2,990	2,270
84	1,830	4,100	3,240	2,400	KL/r>200
96	1,650	3,530	2,770	1,840	KL/r>200
108	1,450	3,080	2,270	KL/r>200	KL/r>200
120	1,250	2,710	1,840	KL/r>200	KL/r>200

Refer to the General Specifications for loading information.

Project:

Architect / Engineer:

Date: **Phone:**

Contractor:

Address:

Notes:

Approval Stamp: