



**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

Part No.	Length (ft)	Finish	Product Weight / Ft (lbs/ft)
PS 300S	10	PG	1.65
PS 300S	20	PG	1.65
PS 300S	20	HG	1.696
PS 300S	10	HG	1.696
PS 300S	20	GR	1.65
PS 300S	10	GR	1.65
PS 300S	10	PL	1.65
PS 300S	20	PL	1.65
PS 300S	20	ZD	1.65
PS 300S	10	ZD	1.65

**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.

**Project:**

**Architect / Engineer:**

**Date:**  **Phone:**

**Contractor:**

**Address:**

**Notes:**

**Approval Stamp:**

Beam Loading - PS 300 S						
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	1,088	0.07	1,088	1,088	1,088	1.00
36	723	0.15	723	723	493	0.96
48	544	0.26	544	417	281	0.91
60	434	0.41	357	264	179	0.88
72	366	0.59	247	187	128	0.84
84	315	0.81	179	136	94	0.82
96	272	1.05	136	102	68	0.79
108	238	1.30	111	85	51	0.77
120	221	1.66	85	68	43	0.75
144	179	2.32	60	43	34	0.70
168	153	3.15	43	34	26	0.66
192	136	4.18	34	26	NR	0.62
216	119	5.21	NR	NR	NR	0.58
240	111	6.64	NR	NR	NR	0.54
Note						

Refer to the General Specifications for loading information.

Column Loading - PS 300 S					
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.