



**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 K06	20	PG	1.4
PS 210 K06	10	PG	1.4
PS 210 K06	20	HG	1.484
PS 210 K06	10	HG	1.484
PS 210 K06	10	GR	1.4
PS 210 K06	20	GR	1.4
PS 210 K06	10	PL	1.4
PS 210 K06	20	PL	1.4

Beam Loading - PS 210 KO6						
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	1,283	0.06	1,283	1,283	1,283	1.00
36	855	0.13	855	855	665	0.89
48	646	0.23	646	561	380	0.78
60	513	0.36	485	361	238	0.68
72	428	0.51	333	247	171	0.59
84	371	0.70	247	181	124	0.52
96	323	0.92	190	143	95	0.47
108	285	1.15	152	114	76	0.43
120	257	1.42	124	86	57	0.40
144	219	2.09	86	67	38	0.36
168	181	2.75	57	48	29	0.32
192	162	3.67	48	38	NR	0.30
216	143	4.61	38	29	NR	0.28
240	133	5.90	29	NR	NR	0.26
Note	NR - Not Recommended					

Refer to the General Specifications for loading information.

Column Loading - PS 210 KO6					
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:**