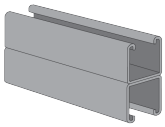
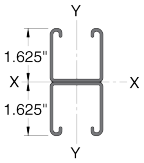
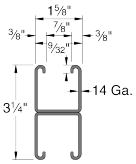
PS 210 2T3







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 2 T3	20	PG	2.84
PS 210 2 T3	10	PG	2.84
PS 210 2 T3	20	HG	2.968
PS 210 2 T3	10	HG	2.968
PS 210 2 T3	20	GR	2.84
PS 210 2 T3	10	GR	2.84
PS 210 2 T3	10	PL	2.84
PS 210 2 T3	20	PL	2.84
PS 210 2 T3	10	SS	2.84
PS 210 2 T3	20	SS	2.84

Project:

Architect / Engineer:

Date: **Phone:**

Contractor:

Address:

Notes:

Approval Stamp:

Beam Loading - PS 210 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	* 2,180	0.02	* 2,180	* 2,180	* 2,180	1.00
36	* 2,180	0.06	* 2,180	* 2,180	* 2,180	1.00
48	1,890	0.13	1,890	1,890	1,890	0.98
60	1,510	0.20	1,510	1,510	1,280	0.93
72	1,260	0.28	1,260	1,260	890	0.87
84	1,080	0.39	1,080	980	650	0.82
96	950	0.51	950	750	500	0.76
108	840	0.64	790	590	400	0.70
120	760	0.79	640	480	320	0.65
144	630	1.13	440	330	220	0.54
168	540	1.54	330	250	160	0.45
192	470	2.00	250	190	130	0.39
216	420	2.55	200	150	100	0.34
240	380	3.16	160	120	80	0.31
Note	*Load limited by weld shear					

Refer to the General Specifications for loading information.

Column Loading - PS 210 2T3

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	5,010	18,250	17,700	16,880	16,030
36	4,860	16,990	16,030	14,770	13,620
48	4,700	15,610	14,380	12,930	11,750
60	4,480	14,280	12,930	11,490	9,290
72	4,210	13,100	11,750	9,290	6,700
84	3,880	12,090	10,220	7,090	4,930
96	3,480	11,170	8,390	5,430	3,770
108	3,060	9,640	6,700	4,290	2,980
120	2,680	8,170	5,430	3,480	KL/r>200
144	2,090	5,710	3,770	KL/r>200	KL/r>200

Refer to the General Specifications for loading information.