PS 150 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 150 2 T3	10	PG	4.94
PS 150 2 T3	20	PG	4.94
PS 150 2 T3	20	HG	5.236
PS 150 2 T3	10	HG	4.94
PS 150 2 T3	10	GR	4.94
PS 150 2 T3	20	GR	4.94
PS 150 2 T3	20	PL	4.94
PS 150 2 T3	10	PL	4.94
PS 150 2 T3	20	ZD	4.94

Beam Loading - PS 150 2T3

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	* 5,220	0.01	* 5,220	* 5,220	* 5,220	1.00
36	* 5,220	0.04	* 5,220	* 5,220	* 5,220	1.00
48	4,820	0.08	4,820	4,820	4,820	0.98
60	3,860	0.13	3,860	3,860	3,860	0.93
72	3,220	0.19	3,220	3,220	3,220	0.87
84	2,760	0.26	2,760	2,760	2,500	0.81
96	2,410	0.34	2,410	2,410	1,920	0.76
108	2,140	0.42	2,140	2,140	1,510	0.70
120	1,930	0.52	1,930	1,840	1,230	0.64
144	1,610	0.76	1,610	1,280	850	0.53
168	1,380	1.03	1,250	940	630	0.45
192	1,210	1.35	960	720	480	0.39
216	1,070	1.70	760	570	380	0.34
240	960	2.09	610	460	310	0.30
Note	*Load limited by weld shear					

Refer to the General Specifications for loading information.

Column Loading - PS 150 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	8,580	31,810	30,880	29,520	28,100
36	8,350	29,700	28,100	26,000	24,070
48	8,080	27,390	25,330	22,910	20,940
60	7,720	25,170	22,910	20,510	17,170
72	7,270	23,190	20,940	17,170	12,700
84	6,780	21,510	18,740	13,430	9,330
96	6,130	20,110	15,630	10,290	7,150
108	5,450	17,750	12,700	8,130	5,650
120	4,800	15,260	10,290	6,590	KL/r>200
144	3,760	10,830	7,150	KL/r>200	KL/r>200
168	2,970	7,950	5,250	KL/r>200	KL/r>200

Refer to the General Specifications for loading information.

Project:

Architect / Engineer:

Date: **Phone:**

Contractor:

Address:

Notes:

Approval Stamp: