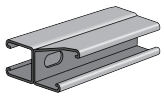
PS 200 2T3 EH



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)
PS200-2T3EH	10	PG	3.78
PS200-2T3EH	20	PG	3.78
PS200-2T3EH	20	DF	3.92
PS200-2T3EH	10	DF	3.92
PS200-2T3EH	20	HG	3.92
PS200-2T3EH	10	HG	3.92
PS200-2T3EH	20	GR	3.78
PS200-2T3EH	10	GR	3.78
PS200-2T3EH	20	PL	3.78
PS200-2T3EH	10	PL	3.78
PS200-2T3EH	20	ZD	3.78

Beam Loading - PS 200 2T3 EH

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	*3,500	0.02	*3,500	*3,500	*3,500	1.00
36	2,712	0.07	2,712	2,712	2,712	1.00
48	2,032	0.13	2,032	2,032	2,032	1.00
60	1,624	0.20	1,624	1,624	1,377	0.97
72	1,360	0.28	1,360	1,360	961	0.93
84	1,165	0.39	1,165	1,054	706	0.89
96	1,020	0.51	1,020	808	536	0.85
108	901	0.64	850	638	425	0.81
120	816	0.79	689	519	349	0.78
144	680	1.14	476	357	238	0.70
168	578	1.53	349	264	179	0.63
192	510	2.02	272	204	136	0.56
216	451	2.54	213	162	111	0.49
240	408	3.16	170	128	85	0.44
Note	*Load limited by weld shear					

Refer to the General Specifications for loading information.

Column Loading - PS 200 2T3 EH

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	6,430	24,280	23,610	22,700	21,820
36	6,290	22,810	21,820	20,650	19,670
48	6,160	21,410	20,300	18,670	16,160
60	6,000	20,210	18,670	15,520	12,390
72	5,620	18,970	16,160	12,390	8,950
84	5,170	16,950	13,630	9,470	6,580
96	4,690	14,890	11,190	7,250	5,040
108	4,170	12,850	8,950	5,730	3,980
120	3,690	10,900	7,250	4,640	KL/r>200

Refer to the General Specifications for loading information.

Project:

Architect / Engineer:

Date: **Phone:**

Contractor:

Address:

Notes:

Approval Stamp: