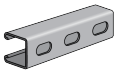
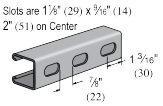
POWER-STRUT®

PS 200 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)
PS 200 EH	10	PG	1.85
PS 200 EH	20	PG	1.85
PS 200 EH	10	DF	1.961
PS 200 EH	20	DF	1.961
PS 200 EH	20	HG	1.961
PS 200 EH	10	HG	1.961
PS 200 EH	10	GR	1.85
PS 200 EH	20	GR	1.85
PS 200 EH	10	PL	1.85
PS 200 EH	20	PL	1.85
PS 200 EH	20	ZD	1.85
PS 200 EH	10	ZD	1.85
PS 200 EH	20	SS	1.85
PS 200 EH	10	SS	1.88
PS 200 EH	20	ST	1.85
PS 200 EH	20	EA	0.76
PS 200 EH	10	EA	0.76

Beam Loading - PS 200 EH

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	1,437	0.06	1,437	1,437	1,437	1.00
36	961	0.13	961	961	765	0.94
48	723	0.22	723	646	425	0.88
60	578	0.35	553	408	272	0.82
72	476	0.50	383	289	187	0.78
84	408	0.68	281	213	136	0.75
96	357	0.89	213	162	111	0.71
108	323	1.14	170	128	85	0.69
120	289	1.40	136	102	68	0.66
144	238	2.00	94	68	51	0.61
168	204	2.72	68	51	34	0.55
192	179	3.55	51	43	NR	0.51
216	162	4.58	43	34	NR	0.47
240	145	5.62	34	NR	NR	0.44
Note	NR - Not Recommended					

Refer to the General Specifications for loading information.

Column Loading - PS 200 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	3,550	10,740	9,890	8,770	7,740
36	3,190	8,910	7,740	6,390	5,310
48	2,770	7,260	6,010	4,690	3,800
60	2,380	5,910	4,690	3,630	2,960
72	2,080	4,840	3,800	2,960	2,400
84	1,860	4,040	3,200	2,480	1,980
96	1,670	3,480	2,750	2,110	1,660
108	1,510	3,050	2,400	1,810	KL/r>200
120	1,380	2,700	2,110	KL/r>200	KL/r>200
144	1,150	2,180	1,660	KL/r>200	KL/r>200

Refer to the General Specifications for loading information.

Project:

Architect / Engineer:

Date: **Phone:**

Contractor:

Address:

Notes:	

Approval Stamp: