



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

Part No.	Length (ft)	Finish	Product Weight / Ft (lbs/ft)
PS 150H	20	PG	2.42
PS 150H	10	PG	2.42
PS 150H	20	HG	2.565
PS 150H	10	HG	2.565
PS 150H	10	GR	2.42
PS 150H	20	GR	2.42
PS 150H	20	PL	2.42
PS 150H	10	PL	2.42

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.

Project:

Architect / Engineer:

Date: **Phone:**

Contractor:

Address:

Notes:

Approval Stamp:

Beam Loading - PS 150 H						
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	2,943	0.04	2,943	2,943	2,943	0.99
36	1,962	0.09	1,962	1,962	1,962	0.89
48	1,476	0.15	1,476	1,476	1,278	0.77
60	1,179	0.24	1,179	1,179	819	0.67
72	981	0.34	981	855	567	0.58
84	846	0.47	837	630	423	0.51
96	738	0.61	639	477	324	0.46
108	657	0.78	504	378	252	0.42
120	585	0.95	414	306	207	0.40
144	495	1.39	288	216	144	0.36
168	423	1.89	207	153	108	0.32
192	369	2.46	162	117	81	0.30
216	324	3.07	126	99	63	0.28
240	297	3.86	99	81	54	0.26
Note	NR - Not Recommended					

Refer to the General Specifications for loading information.

Column Loading - PS 150 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	4,640	13,840	12,570	10,840	9,190
36	3,970	11,050	9,190	7,030	5,370
48	3,180	8,420	6,390	4,620	3,630
60	2,550	6,250	4,620	3,450	2,780
72	2,120	4,790	3,630	2,780	2,260
84	1,810	3,890	3,010	2,330	1,910
96	1,580	3,290	2,580	2,020	1,650
108	1,400	2,860	2,260	1,770	1,440
120	1,270	2,530	2,020	1,580	KL/r>200
144	1,060	2,070	1,650	KL/r>200	KL/r>200
168	920	1,750	1,380	KL/r>200	KL/r>200

Refer to the General Specifications for loading information.