



7/8" (22) Knockouts  
6" (152) on Center

**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 150 KO6	10	PG	2.47
PS 150 KO6	20	PG	2.47
PS 150 KO6	20	HG	2.618
PS 150 KO6	10	HG	2.618
PS 150 KO6	10	GR	2.47
PS 150 KO6	20	GR	2.47
PS 150 KO6	10	PL	2.47
PS 150 KO6	20	PL	2.47

**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 KO6						
Span (in)	Max Allow. Unifor 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	3,107	0.04	3,107	3,107	3,107	0.99
36	2,071	0.09	2,071	2,071	2,071	0.89
48	1,558	0.15	1,558	1,558	1,349	0.77
60	1,245	0.24	1,245	1,245	865	0.67
72	1,036	0.34	1,036	903	599	0.58
84	893	0.47	884	665	447	0.51
96	779	0.61	675	504	342	0.46
108	694	0.78	532	399	266	0.42
120	618	0.95	437	323	219	0.40
144	523	1.39	304	228	152	0.36
168	447	1.89	219	162	114	0.32
192	390	2.46	171	124	86	0.30
216	342	3.07	133	105	67	0.28
240	314	3.86	105	86	57	0.26

Refer to the General Specifications for loading information.

Column Loading - PS 150 KO6					
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.