



### Materials & Finishes - Standard:

- **Pregalvanized (PG):** Conforms to ASTM A653 SS GR 33, G90.
- **Unistrut 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)
P5000KO	10	PG	3.05
P5000KO	20	PG	3.05
P5000KO	10	HG	3.233
P5000KO	20	HG	3.233
P5000KO	10	GR	3.05
P5000KO	20	GR	3.05
P5000KO	20	PL	3.05
P5000KO	10	PL	3.05

Beam Loading - P5000KO						
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	4,997	0.03	4,997	4,997	4,997	0.98
36	3,325	0.07	3,325	3,325	3,325	0.85
48	2,499	0.12	2,499	2,499	2,499	0.70
60	1,995	0.18	1,995	1,995	1,824	0.55
72	1,663	0.26	1,663	1,663	1,264	0.44
84	1,425	0.36	1,425	1,397	931	0.38
96	1,245	0.47	1,245	1,064	713	0.33
108	1,112	0.59	1,112	846	561	0.30
120	998	0.73	912	684	456	0.28
144	836	1.06	637	475	314	0.24
168	713	1.43	466	352	228	0.22
192	627	1.88	352	266	181	0.21
216	551	2.35	285	209	143	0.19
240	504	2.95	228	171	114	0.18
Note	Bearing load may go over capacity.					

Refer to the General Specifications for loading information.

Column Loading - P5000KO					
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	5,650	16,870	15,180	12,850	10,600
36	4,690	13,140	10,600	7,650	5,660
48	3,560	9,550	6,860	4,790	3,660
60	2,730	6,680	4,790	3,450	2,710
72	2,160	4,980	3,660	2,710	2,170
84	1,760	3,950	2,960	2,240	1,820
96	1,500	3,270	2,500	1,930	1,580
108	1,310	2,800	2,170	1,690	1,390
120	1,170	2,450	1,930	1,510	KL/r>200
144	980	1,980	1,580	KL/r>200	KL/r>200
168	850	1,670	1,340	KL/r>200	KL/r>200

Refer to the General Specifications for loading information.

**Project:**

**Architect / Engineer:**

**Date:**  **Phone:**

**Contractor:**

**Address:**

**Notes:**

**Approval Stamp:**