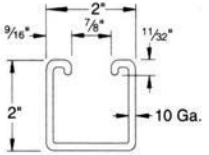
PS 5000 – Heavy Duty Channel (2" x 2" x 10 Ga.)

This item has been discontinued
Limit quantity available



ELEMENTS OF SECTION

Weight (lbs./100 ft.)	Area of Section (Inch^2)	X-X Axis			Y-Y Axis		
		Moment of Inertia (Inch^4)	Section Modulus (Inch^3)	Radius of Gyration (Inch)	Moment of Inertia (Inch^4)	Section Modulus (Inch^3)	Radius of Gyration (Inch)
306	0.901	0.468	0.428	0.720	0.562	0.562	0.790

Modulus of Elasticity: 29,000,000 PSI; *Effective section properties

PS 5000 – Beam & Column Loads

Span, or Column In	Max. Load of Column Loaded at C.G. (K=1.0) Lbs	Static Beam Load (X-X Axis)			
		Total Uniform Load @25,000 PSI Lbs	Deflection @25,000 PSI In	Total Uniform Load @1/240 Span Deflection Lbs	Total Uniform Load @1/360 Span Deflection Lbs
24	16,760	3,590	0.05	–	–
30	15,410	2,870	0.07	–	–
36	13,970	2,390	0.11	–	2,270
42	12,500	2,050	0.14	–	1,670
48	11,020	1,790	0.19	–	1,280
54	9,560	1,590	0.24	1,510	1,010
60	8,360	1,430	0.29	1,230	820
66	7,430	1,300	0.35	1,010	680
72	6,690	1,200	0.42	850	570
84	5,570	1,020	0.57	630	420
96	4,740	900	0.75	480	320
108	4,100	800	0.95	380	250
120	3,590	720	1.17	310	200
144	2,800	600	1.68	210	140

Column loads are for allowable axial loads and must be reduced for eccentric loading. For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8. This load table is based on a solid channel section.
*Load limited by spot weld shear.