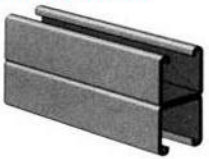
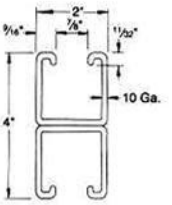
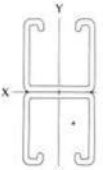
PS 5000 2T3 – Heavy Duty Channel (2" x 4" x 10 Ga.)

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)
613	1.802	2.417	1.209	1.158	1.124	1.124	0.790

PS 5000 2T3 – 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
36	36,470	3,944 *	0.06	–	–
42	35,400	3,944 *	0.08	–	–
48	34,170	3,944 *	0.10	–	–
54	32,770	3,944 *	0.13	–	–
60	31,210	3,944 *	0.16	–	–
66	29,490	3,680	0.19	–	3,490
72	27,600	3,380	0.23	–	2,930
84	23,340	2,890	0.31	–	2,160
96	18,500	2,530	0.41	2,480	1,650
108	14,610	2,250	0.52	1,960	1,300
120	11,840	2,030	0.64	1,580	1,060
144	8,220	1,690	0.92	1,100	730
180	–	1,350	1.44	700	470

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.