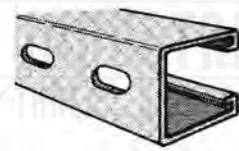
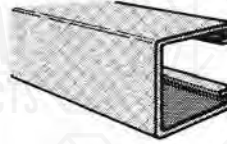
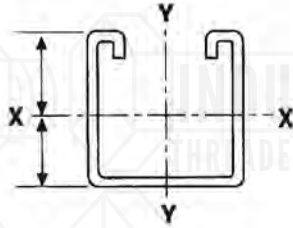
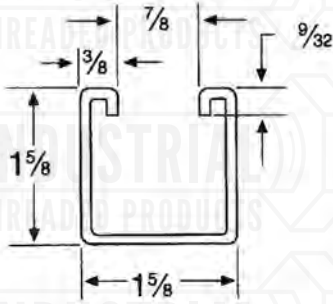


7000 & 7001



Manufactured
in the USA



1-5/8" x 1-5/8"

12 GAUGE STRUT SOLID & SLOTTED

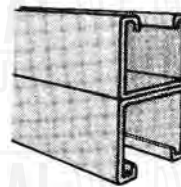
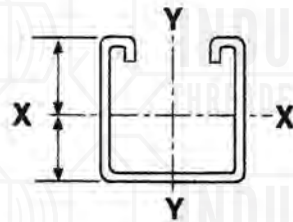
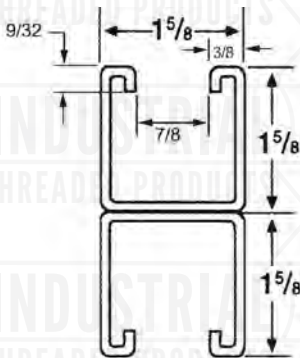
I.T.P. Part #	Finish	Standard Length	Weight Per foot (Lbs.)
7000 (SOLID)	Plain Pre-Galvanized Green Painted	10' or 20'	1.90
7001 (SLOTTED)			1.85

NOTE: 304 and 316 stainless, PVC coated and hot-dipped galvanized are available.

7000A & 7001A



Manufactured
in the USA



1-5/8" x 1-5/8"

12 GAUGE BACK-TO-BACK STRUT SOLID & SLOTTED

I.T.P. Part #	Finish	Standard Length	Weight Per foot (Lbs.)
7000A (SOLID)	Plain Pre-Galvanized Green Painted	10' or 20'	3.80
7001A (SLOTTED)			3.70

NOTE: 304 and 316 stainless, PVC coated and hot-dipped galvanized are available.



Properties of Section

I.T.P. FIGURE NUMBER	Wt./Ft. Lbs.	Area of Section Sq. In.	X-X Axis			Y-Y Axis		
			I in 4	S in 3	r in.	I in 4	S in 3	r in.
7000	1.94	.544	0.180	0.195	05.75	0.233	0.287	0.655
7000A	3.88	1.088	0.896	0.570	0.908	0.466	0.574	0.655

I = Moment of Inertia
S = Section Modulus
r = Radius of Gyration

Beam and Column Loads

SPAN OR COLUMN (IN)	I.T.P. FIGURE NUMBER	MAX LOAD OF COLUMN LOADED @ C.G. (LBS)	STATIC BEAM LOAD (X-X AXIS)			
			ALLOWABLE UNIFORM LOAD @ 25,000 PSI (LBS)	DEFLECTION @ 25,000 PSI (IN)	UNIFORM LOAD @ L/240 (LBS)	UNIFORM LOAD @ L/360 (LBS)
12	7000	7,109	3,249	0.014	**	**
	7000A	14,862	2,610	0.008	**	**
18	7000	6,549	2,166	0.031	**	**
	7000A	14,402	2,610 ***	0.018	**	**
24	7000	5,938	1,625	0.055	**	**
	7000A	13,919	2,610 ***	0.032	**	**
30	7000	5,337	1,300	0.086	**	1,257
	7000A	13,473	2,610 ***	0.050	**	**
36	7000	4,771	1,083	0.124	**	873
	7000A	13,090	2,610 ***	0.072	**	**
42	7000	4,242	928	0.169	**	641
	7000A	12,771	2610 ***	0.099	**	**
48	7000	3,745	812	0.220	737	491
	7000A	12,511	2,374	0.129	**	**
60	7000	3,012	650	0.344	471	314
	7000A	11,685	1,899	0.202	**	1,566
72	7000	2,514	542	0.496	327	218
	7000A	10,078	1,582	0.291	**	1,087
84	7000	2,136	464	0.675	240	160
	7000A	8,180	1,356	0.396	1,199	799
96	7000	1,834	406	0.882	184	123
	7000A	6,291	1,187	0.517	917	611
108	7000	1,585	361	1.116	145	97
	7000A	4,971	1,055	0.655	725	483
120	7000	*	325	1.378	117	78
	7000A	4,026	949	0.808	587	391
180	7000	*	217	3.099	52	35
	7000A	*	633	1.819	261	174
240	7000	*	163	5.510	29	19
	7000A	*	474	3.233	147	98

* Not recommended - KL/r exceeds 200

** For these loads, the uniform beam capacity is lower than the L/240 or L/360 beam capacity and is therefore the governing restraint

*** Load limited by spotweld shear

NOTES

- The beam capacities shown above include the weight of the strut beam. The beam weight must be subtracted from these capacities to arrive at the net beam capacity.
- Allowable beam loads are based on a uniform loaded, simply supported beam. For capacities of a beam loaded at midspan at a single point, multiply the beam capacity by 50% and deflection by 80%.
- The above chart shows beam capacities for strut without holes.** For strut with holes, multiply the following: $\frac{7}{8}$ " diameter Knockout by 82%, Round Hole $\frac{3}{4}$ " by 85% and Round Hole $\frac{9}{16}$ " by 88%, Slotted $\frac{9}{16}$ " x $1\frac{1}{8}$ " by 88%, $\frac{13}{32}$ " x 3" by 90%.