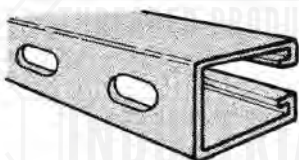
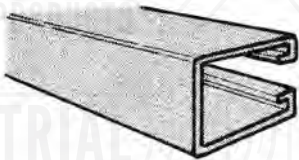
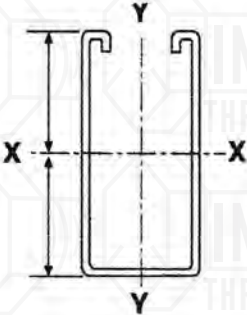
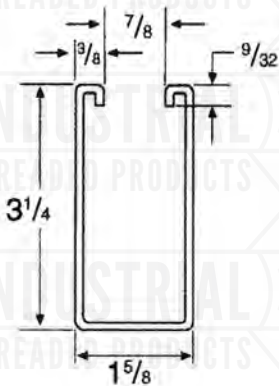




Manufactured
in the USA



3-¹/₄" x 1-⁵/₈"

12 GAUGE STRUT SOLID & SLOTTED

I.T.P. Part #	Finish	Standard Length	Weight Per foot (Lbs.)
7250 (SOLID)	Plain Pre-Galvanized Green Painted	10' or 20'	3.13
7251 (SLOTTED)			3.08
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.
7250	3.13	.844	1.073	0.609	1.102	0.429	0.529	0.697

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	7250	12,428	10,155	0.007	**	**
18	7250	11,161	6,770	0.016	**	**
24	7250	9,531	5,077	0.029	**	**
30	7250	7,642	4,062	0.045	**	**
36	7250	5,767	3,385	0.065	**	**
42	7250	4,550	2,901	0.088	**	**
48	7250	3,754	2,539	.115	**	**
60	7250	2,830	2,031	0.180	**	1,876
72	7250	2,268	1,692	0.260	**	1,303
84	7250	1,972	1,451	0.354	1,436	957
96	7250	1,688	1,269	0.462	1,099	733
108	7250	1,509	1,128	0.585	869	579
120	7250	1,366	1,015	0.722	703	469
180	7250	*	667	1.624	313	208
240	7250	*	508	2.887	176	117

* 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

1. 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.
2. 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%.
3. 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% and Slotted $\frac{13}{32}$ " x 3" by 90%.