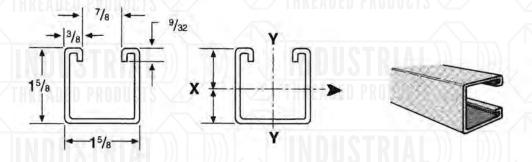
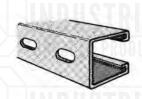
7100 & 7101









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

14 GAUGE STRUT SOLID & SLOTTED

I.T.P. Part #	Finish	Standard Length	Weight Per foot (Lbs.)
7100 (SOLID)	Plain	101 001	1.40
7101 (SLOTTED)	Pre-Galvanized Green Painted	10' or 20'	1.36
NOTE: 304 and 316 stainless, F	VC coated and hot-dipped galva	nized are available.	, , INJIISTR

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Properties of Section



CADEADED DOUBLES			X-X Axis		Y-Y Axis			
I.T.P. FIGURE NUMBER	Wt./Ft. Lbs.	Area of Section Sq. In.	l in 4	S in 3	r in.	l in 4	S in 3	r in.
7100	1.45	.407	0.143	0.158	0.593	0.179	0.221	0.664

I = Moment of Inertia

S = Section Modulus

r = Radius of Gyration

Beam and Column Loads

COLUMN FI		MAX LOAD OF COLUMN LOADED @ C.G. (LBS)	STATIC BEAM LOAD (X-X AXIS)				
	I.T.P. FIGURE NUMBER		ALLOWABLE UNIFORM LOAD @ 25,000 PSI (LBS)	DEFLECTION @ 25,000 PSI (IN)	UNIFORM LOAD @ L/240 (LBS)	UNIFORM LOAD @ L/360 (LBS)	
12	7100	5,548	2,631	0.014	**	**	
18	7100	5,066	1,754	0.032	**	**	
24	7100	4,473	1,316	0.056	** + R E A	ED PRU*JUGIS	
30	7100	3,817	1,052	0.088	**	**	
36	7100	3,141	877	0.126	**	695	
42	7100	2,546	752	0.172	**	511	
48	7100	2,148	658	0.224	587	391	
60	7100	1,659	526	0.350	376	250	
72	7100	1,370	439	0.504	261	174	
84	7100	1,174	376	0.687	192	128	
96	7100	1,028	329	0.897	147	98	
108	7100	911	292	1.135	116	77	
120	7100	*	263	1,140	94	63	
180	7100	*	175	3.153	42	28	
240	7100	*	132	5.605	23	16	

- * 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: $^{7}/_{8}$ " diameter Knockout by 82%, Round Hole $^{3}/_{4}$ " by 85% and Round Hole $^{9}/_{16}$ " by 88%, Slotted $^{9}/_{16}$ " x 1- $^{1}/_{8}$ " by 88% and Slotted $^{13}/_{32}$ " x 3" by 90%.