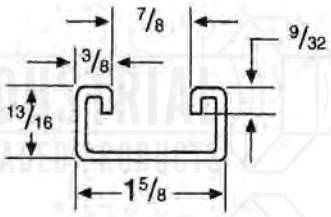
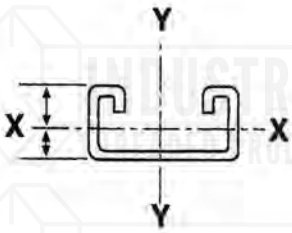
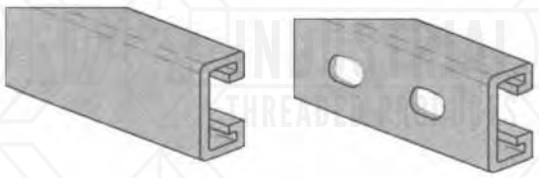
7200 & 7201

INDUSTRIAL THREADED PRODUCTS

Manufactured in the USA







13/16" x 1-5/8"

14 GAUGE STRUT SOLID & SLOTTED

I.T.P. Part #	Finish	Standard Length	Weight Per foot (Lbs.)
7200 (SOLID)	Plain Pre-Galvanized Green Painted	10' or 20'	.97
7201 (SLOTTED)			.87
NOTE: 304 and 316 stainless, PVC coated and hot-dipped galvanized are available.			

P: (631) 665-9300 • F: (631) 491-0897 • WWW.ITPNY.NET

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.
7200	1.03	0.286	0.025	0.053	0.298	0.106	0.131	0.610

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	**7200**	3,598	887	0.027	**	**
18	**7200**	3,340	591	0.060	**	493
24	**7200**	3,086	444	0.106	416	277
30	**7200**	2,854	355	0.166	266	177
36	**7200**	2,654	296	0.240	185	123
42	**7200**	2,449	254	0.327	136	91
48	**7200**	2,259	222	0.427	104	69
60	**7200**	*	177	0.667	66	14
72	**7200**	*	148	0.960	46	31
84	**7200**	*	127	1.037	34	23
96	**7200**	*	111	1.707	26	17
108	**7200**	*	99	2.160	21	14
120	**7200**	*	89	2.668	17	11
180	**7200**	*	59	6.003	7	5
240	**7200**	*	44	10.672	4	3

* 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%.