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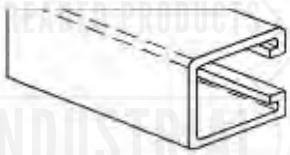
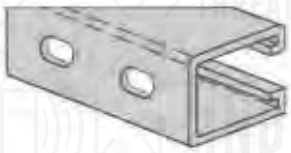
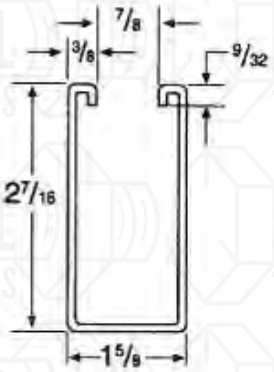
INDUSTRIAL THREADED PRODUCTS

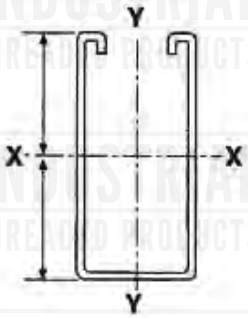
7230 & 7231

Manufactured in the USA









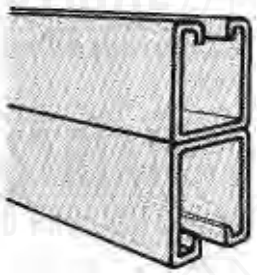
2-7/16" x 1-5/8"

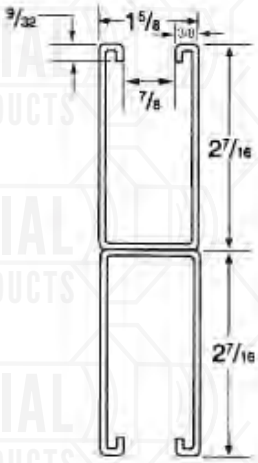
12 GAUGE STRUT SOLID & SLOTTED

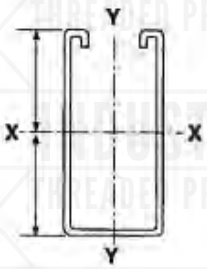
I.T.P. Part #	Finish	Standard Length	Weight Per foot (Lbs.)
7230 (SOLID)	Plain Pre-Galvanized Green Painted	10' or 20'	2.59
7231 (SLOTTED)			2.52
NOTE: 304 and 316 stainless, PVC coated and hot-dipped galvanized are available.			

7241 & 7240

Manufactured in the USA







2-7/16" x 1-5/8"

12 GAUGE BACK-TO-BACK STRUT SOLID & SLOTTED

I.T.P. Part #	Finish	Standard Length	Weight Per foot (Lbs.)
7241 (SOLID)	Plain Pre-Galvanized Green Painted	10' or 20'	5.04
7240 (SLOTTED)			5.18
NOTE: 304 and 316 stainless, PVC coated and hot-dipped galvanized are available.			

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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.
7230	2.54	0.714	0.509	0.378	0.844	0.331	0.408	0.681
7240	5.08	1.142	2.721	1.141	1.381	0.663	0.815	0.681

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	**7230**	9,774	6,305	0.009	**	**
	7240	20,586	3,880 ***	0.005	**	**
18	**7230**	8,861	4,203	0.021	**	**
	7240	19,931	3,880 ***	0.012	**	**
24	**7230**	7,744	3,125	0.038	**	**
	7240	19,144	3,880 ***	0.021	**	**
30	**7230**	6,524	2,522	0.059	**	**
	7240	18,304	3,880 ***	0.033	**	**
36	**7230**	5,275	2,102	0.085	**	**
	7240	17,474	3,880 ***	0.048	**	**
42	**7230**	4,284	1,801	0.116	**	**
	7240	16,693	3,880 ***	0.065	**	**
48	**7230**	3,629	1,576	0.151	**	1,390
	7240	15,981	3,880 ***	0.085	**	**
60	**7230**	2,824	1,261	0.236	**	890
	7240	14,790	3,803	0.133	**	**
72	**7230**	2,346	1,051	0.340	927	618
	7240	13,881	3,169	0.192	**	**
84	**7230**	2,021	901	0.463	681	454
	7240	12,054	2,716	0.261	**	2,427
96	**7230**	1,778	788	0.605	521	347
	7240	9,409	2,377	0.341	**	1,858
108	**7230**	1,584	701	0.765	412	275
	7240	7,434	2,113	0.431	**	1,468
120	**7230**	1,422	630	0.945	334	222
	7240	6,022	1,901	0.532	1,784	1,189
180	**7230**	*	420	2.126	148	99
	7240	*	1,268	1.199	793	529
240	**7230**	*	315	3.780	83	56
	7240	*	951	2.131	446	297

* 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%.