

## 4" x 2" x 1/4" I-Beam

### ALLOWABLE UNIFORM LOADS (lbs./ft. / N/m.) Laterally Supported

$$A_w = 0.875 \text{ in.}^2 / 564.5 \text{ mm.}^2$$

$$I = 4.41 \text{ in.}^4 / 1835581 \text{ mm.}^4$$

$$\text{Wt.} = 1.50 \text{ lbs./ft.} / 2.23 \text{ kg/m.}$$

$$S = 2.21 \text{ in.}^3 / 36215 \text{ mm.}^3$$

SPAN FT/m	NO LATERAL SUPPORT MAX. LOAD	LATERALLY SUPPORTED						
		MAXIMUM LOAD	DEFLECTION					
			L/100	L/150	L/180	L/240	L/360	
4/1.22	224/3265	655/9555	F <sub>v</sub>	----/----	542/7915	452/6592	338/4939	225/3285
5/1.52	104/1514	524/7640	F <sub>v</sub>	450/6565	299/4369	249/3638	187/2723	124/1808
6/1.83	56/817	408/5950	F <sub>b</sub>	272/3965	181/2636	150/2193	112/1639	74/1085
7/2.13	33/486	299/4366	F <sub>b</sub>	175/2560	116/1699	97/1412	72/1054	48/695
8/2.44	21/310	229/3337	F <sub>b</sub>	119/1740	79/1153	66/957	49/712	32/468
9/2.74	14/207	180/2632	F <sub>b</sub>	84/1232	56/814	46/675	34/500	22/326
10/3.05	10/142	146/2128	F <sub>b</sub>	62/901	41/593	34/491	25/362	16/234
11/3.35	7/100	120/1755	F <sub>b</sub>	46/676	30/443	25/366	18/269	12/172
12/3.66	5/71	101/1471	F <sub>b</sub>	36/519	23/338	19/278	14/203	9/128

The part weight has been deducted in the above table.

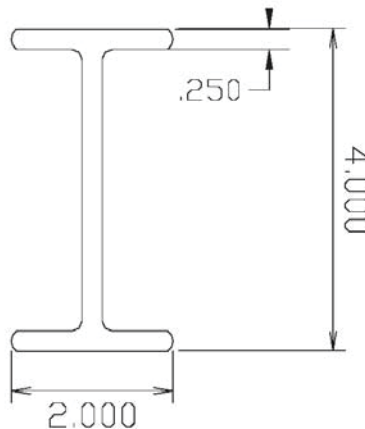
English/Metric

This item is stocked in 20-foot lengths.

Other lengths available in mill run quantities.

The mill run on this item is 1,000 feet.

Orders for less than mill run quantities will be subject to set-up charges as well as premium per foot cost.



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	MODEL NO.:	REVISIONS										
	DWG NAME:	REV.	DESCRIPTION	DESIGNED BY:	CHECKED BY:						APPROVED BY:	DATE:
	DRAWING NUMBER: A-100	JOB NUMBER:	SHEET: 1 of 1	REV: 0								
SCALE: NO SCALE	COMMENTS:											