

6" x 3" x 1/4" I-Beam

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

$$A_w = 1.375 \text{ in.}^2 / 887.1 \text{ mm.}^2$$

$$I = 15.87 \text{ in.}^4 / 7071772 \text{ mm.}^4$$

$$\text{Wt.} = 2.20 \text{ lbs./ft.} / 3.27 \text{ kg/m.}$$

$$S = 5.29 \text{ in.}^3 / 92751 \text{ mm.}^3$$

SPAN FT/m	NO LATERAL SUPPORT MAX. LOAD	LATERALLY SUPPORTED						
		MAXIMUM LOAD		DEFLECTION				
				L/100	L/150	L/180	L/240	L/360
5/1.52	364/5307	823/12008	F _v	----/----	----/----	759/11083	569/8304	379/5525
6/1.83	184/2689	685/10001	F _v	----/----	576/8400	479/6995	359/5238	239/3481
7/2.13	104/1524	587/8568	F _v	576/8403	383/5591	319/4654	239/3483	158/2311
8/2.44	64/936	513/7493	F _v	400/5844	266/3885	221/3232	166/2416	110/1600
9/2.74	42/610	433/6321	F _v	289/4211	192/2796	159/2325	119/1736	79/1146
10/3.05	28/415	350/5114	F _b	214/3124	142/2072	118/1721	88/1283	58/845
11/3.35	20/292	289/4221	F _b	163/2376	108/1573	89/1306	67/971	44/637
12/3.66	14/210	243/3542	F _b	126/1845	84/1219	69/1011	51/750	34/489
13/3.96	11/154	206/3013	F _b	100/1458	66/961	55/796	40/589	26/382
14/4.27	8/114	178/2594	F _b	80/1170	53/769	44/636	32/469	21/302
15/4.57	6/84	155/2255	F _b	65/951	43/623	35/514	26/377	17/241

The part weight has been deducted in the above table.

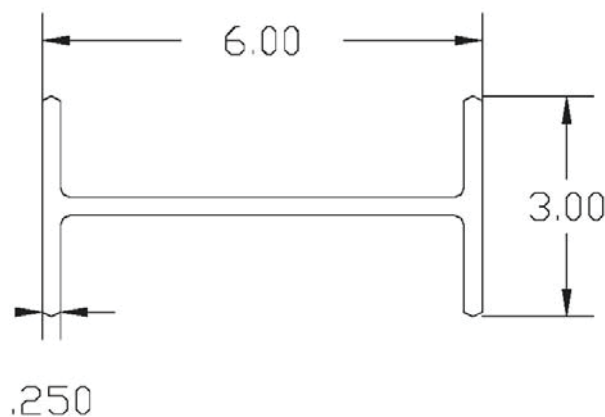
English / Metric

This item is stocked in 20-foot lengths.

Other lengths available in mill run quantities.

The mill run on this item is 800 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.:	REV.:	DESIGNED BY:	CHECKED BY:	APPROVED BY:						DATE:
	DWG NAME:										
	DRAWING NUMBER:	JOB NUMBER:	SHEET:	REV.:							
	A-100	1 of 1	0								
SCALE:	NO SCALE	COMMENTS:									