

5-1/2" x 2-1/2" x 1/4" I-Beam

ALLOWABLE UNIFORM LOADS (lbs./ft. / *N/m.*)

A_w (in.2 / *mm.*²) = 1.25 / 806
 I (in.4 / *mm.*⁴) = 11.21 / 4665954

Wt. (lbs. / *kg.m.*) = 1.92 / 2.86
 S (in.3 / *mm.*³) = 4.08 / 66859.00

SPAN FEET/ <i>METERS</i>	NO LATERAL SUPPORT		LATERALLY SUPPORTED					
	MAXIMUM LOAD	MAXIMUM LOAD	DEFLECTION					
			L/100	L/150	L/180	L/240	L/360	
4/1.22	482/7034	936/13654	Fv	----/----	----/----	----/----	742/10829	
5/1.52	265/3874	748/10917	Fv	----/----	686/10013	571/8340	428/6248	
6/1.83	138/2010	623/9093	Fv	----/----	426/6221	355/5179	266/3878	
7/2.13	80/1164	498/7262	Fb	422/6156	281/4094	233/3407	175/2549	
8/2.44	50/728	381/5554	Fb	291/4247	193/2822	161/2347	120/1753	
9/2.74	33/482	300/4382	Fb	208/3041	138/2018	115/1677	86/1251	
10/3.05	23/332	243/3544	Fb	154/2246	102/1488	85/1235	63/919	
11/3.35	16/236	200/2924	Fb	117/1701	77/1125	64/933	47/692	
12/3.66	12/171	168/2453	Fb	90/1316	59/868	49/719	36/532	
13/3.96	9/126	143/2086	Fb	71/1037	47/682	39/564	28/416	
14/4.27	6/94	123/1795	Fb	57/830	37/544	31/449	23/329	
15/4.57	5/70	107/1560	Fb	46/673	30/439	25/361	18/264	

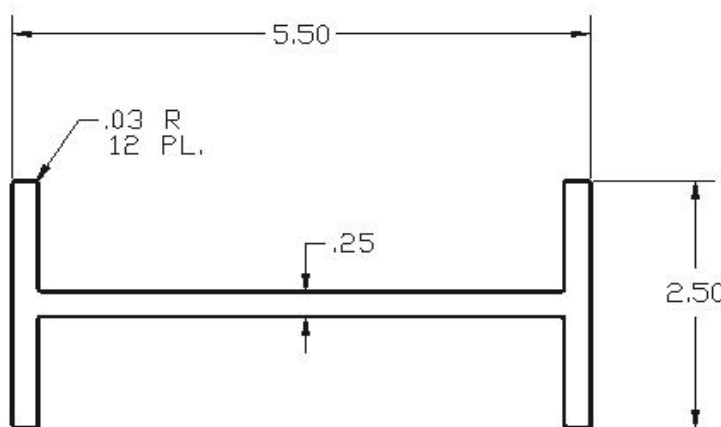
The part weight has been deducted in the above table.

This item is stocked in 20-foot lengths in Polyester Fire Retardant (FR).

Other lengths available in mill run quantities.

The mill run on this item is 1000 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:										