

3 1/2 X 1 1/2 X 3/16 CHANNEL

88.9 x 38.1 x 4.8 CHANNEL

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

Major Axis

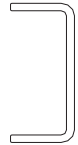
*****Laterally Supported*****

$$A_w (\text{in.}^2/\text{mm.}^2)=0.54 / 348.3$$

$$I(\text{in.}^4/\text{mm.}^4)= 1.92 / 799164$$

$$\text{Wt.}(\text{lbs./kg/m})=0.86 / 1.28$$

$$S(\text{in.}^3 / \text{mm.}^3)= 1.10 / 18026$$



SPAN FT/m	MAXIMUM		DEFLECTION				
	LOAD		L/100	L/150	L/180	L/240	L/360
3/0.91	298/4353	Fv	---/---	---/---	---/---	---/---	221/3228
4/1.22	167/2442	Fv	---/---	---/---	---/---	157/2286	104/1519
5/1.52	107/1558	Fb	---/---	---/---	---/---	84/1233	56/817
6/1.83	74/1077	Fb	---/---	---/---	67/980	50/731	33/483
7/2.13	54/788	Fb	---/---	52/753	43/625	32/465	21/305
8/2.44	41/600	Fb	---/---	35/506	29/419	21/311	14/202
9/2.74	32/471	Fb	---/---	24/355	20/293	15/216	10/139
10/3.05	26/378	Fb	---/---	18/256	14/211	11/155	7/98
11/3.35	21/310	Fb	20/292	13/190	11/156	8/113	5/71
12/3.66	18/258	Fb	15/223	10/144	8/117	6/84	4/51

Minor Axis

*****Laterally Supported*****

$$A_w (\text{in.}^2/\text{mm.}^2)=0.44 / 283.9$$

$$I(\text{in.}^4 / \text{mm.}^4)=0.22 / 91571$$

$$\text{Wt.}(\text{lbs./kg/m})=0.86 / 1.28$$

$$S(\text{in.}^3 / \text{mm.}^3)=0.21 / 3441$$



SPAN FT/m	MAXIMUM		DEFLECTION				
	LOAD		L/100	L/150	L/180	L/240	L/360
3/0.91	154/2245	Fb	115/1683	77/1117	64/928	47/693	31/457
4/1.22	86/1256	Fb	49/716	32/472	27/391	20/290	13/188
5/1.52	55/799	Fb	25/363	16/237	13/195	10/143	6/90
6/1.83	38/550	Fb	14/205	9/132	7/107	5/77	3/46

The part weight has been deducted in the above tables.

English/Metric

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

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.

