

Data is theoretical and based on 20,000 psi.

Bar Size	Symbol / Apprx. Wgt*** Lbs/Sq. Ft.		Sec. Mod. Per Ft. Of Width	Maximum Safe Concentrated Load*, Lbs. - Clear Span							
				0'-6"	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"
1" x 1/4"	12W4	14.73#	.667	8893	4447	2964	2223	% Open Area = 60%			
1-1/4" x 1/4"	12W4	18.14#	1.042	13893	6947	4631	3473	2779			
1-1/2" x 1/4"	12W4	21.53#	1.500	20000	10000	6667	5000	4000	3333		
1-3/4" x 1/4"	12W4	24.94#	2.042	27227	13613	9076	6807	5445	4538	3890	
2" x 1/4"	12W4	28.33#	2.667	35560	17780	11853	8890	7112	5927	5080	3160

* Based on 16 bars/ft of grating width. Bearing bars 3/4" center to center.

*** Weight depends on panel width, cross bar selection, mill tolerance and manufacturing tolerance.