

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"	8W4	21.53#	1.000	13333	6667	4444	3333	% Open Area = 45%			
1-1/4" x 1/4"	8W4	26.64#	1.563	20840	10420	6947	5210	4168			
1-1/2" x 1/4"	8W4	31.73#	2.250	30000	15000	10000	7500	6000	5000		
1-3/4" x 1/4"	8W4	36.84#	3.063	40840	20420	13613	10210	8168	6807	5834	
2" x 1/4"	8W4	41.93#	4.000	53333	26667	17778	13333	10667	8889	7619	6667

* Based on 24 bars/ft of grating width. Bearing bars 1/2" center to center.

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