Bar Size	Symbol / Apprx. Wgt*** Lbs/Sq. Ft.	Ped. Span	Sec. Mod. Per Ft. Of Width		Clear Span 2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	8'-0"
1" x 1/4"	15AI4 2.4# 15AI2 2.8#	48"	.448	U	896	573	398	293	224	177	U=Safe uniform load, lb/sq ft C=Safe concentrated load, lb/ft of grating width, at mid-span D=Deflection in inches					
				D	.135	.212	.305	.416	.542	.686						
				C	896	717	597	512	448	398						
				D	.108	.169	.244	.332	.434	.548						
1-1/4" x 1/4"	15AI4 2.9# 15AI2 3.3#	57"	.682	U	1364	873	606	446	341	270	218	Data is theoretical and based on 12,000 psi				
				D	.110	.172	.247	.337	.440	.558	.686					
				C	1364	1092	910	780	682	606	546					
				D	.088	.138	.198	.270	.352	.445	.550					
1-1/2" x 1/4"	15AI4 3.3# 15AI2 3.7#	65"	.970	U	1940	1242	862	634	485	383	310	257				
				D	.092	.144	.207	.282	.369	.466	.575	.698				
				C	1940	1552	1294	1109	970	862	776	706				
				D	.074	.115	.166	.226	.295	.373	.461	.558				
1-3/4" x 1/4"	15AI4 3.8# 15AI2 4.2#	72"	1.303	U	2606	1668	1158	851	652	515	417	345	290	247		
				D	.079	.124	.179	.243	.318	.403	.497	.602	.717	.841		
				C	2606	2085	1737	1489	1303	1158	1042	948	869	802		
				D	.064	.099	.143	.195	.254	.322	.397	.481	.573	.672		
2" x 1/4"	15AI4 4.3# 15AI2 4.7#	80"	1.699	U	3397	2174	1510	1109	849	671	544	449	377	322	277	
				D	.070	.109	.157	.214	.279	.354	.437	.528	.628	.739	.855	
				C	3397	2718	2265	1941	1699	1510	1359	1235	1132	1045	971	
				D	.056	.087	.126	.171	.224	.283	.349	.422	.503	.590	.685	
2-1/4" x 1/4"	15AI4 4.7# 15AI2 5.1#	87"	2.120	U	4239	2713	1884	1384	1060	837	678	561	471	401	346	265
				D	.062	.097	.140	.191	.249	.315	.389	.471	.561	.657	.763	.997
				C	4239	3391	2826	2422	2120	1884	1696	1542	1413	1304	1211	1060
				D	.050	.078	.112	.153	.199	.252	.312	.377	.448	.526	.610	.797
2-1/2" x 1/4"	15AI4 5.2# 15AI2 5.6#	94"	2.620	U	5240	3354	2329	1711	1310	1035	838	693	582	496	428	328
				D	.056	.088	.126	.172	.225	.285	.351	.425	.506	.594	.689	.901
				C	5240	4192	3494	2994	2620	2329	2096	1906	1747	1612	1497	1310
				D	.045	.070	.101	.138	.180	.228	.281	.340	.405	.475	.551	.719

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

% Open Area[1]	
4"cc	68%
2"cc	62%

[1]Open Area % for reference only - *%'s will vary with material & mfg. process.*

Deflection: To ensure safe pedestrian comfort, maximum deflection (D) should be limited to 1/4" for uniform load of 100 psf (denoted by values to the left of heavy line in tables), however, this can be exceeded for non-pedestrian loading conditions at engineer's discretion.