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"	9'-0"
3/4" x 1/8"	13AP4 2.0# 13AP2 2.4#	35"	.173	U	346	222	154	113									
				D	.192	.300	.432	.588									
				C	346	277	231	198									
				D	.154	.240	.346	.470									
3/4" x 3/16"	13AP4 3.0# 13AP2 3.5#	38"	.260	U	519	332	231	170	130								
				D	.192	.300	.432	.588	.768								
				C	519	415	346	297	260								
				D	.154	.240	.346	.470	.614								
1" x 1/8"	13AP4 2.6# 13AP2 2.9#	43"	.308	U	615	394	274	201	154								
				D	.144	.225	.324	.441	.576								
				C	615	492	410	352	308								
				D	.115	.180	.259	.353	.461								
1" x 3/16"	13AP4 3.9# 13AP2 4.4#	48"	.462	U	923	591	410	301	231	182							
				D	.144	.225	.324	.441	.576	.729							
				C	923	738	615	527	462	410							
				D	.115	.180	.259	.353	.461	.583							
1-1/4" x 1/8"	13AP4 3.3# 13AP2 3.7#	51"	.481	U	962	615	427	314	240	190							
				D	.115	.180	.259	.353	.461	.583							
				C	962	769	641	549	481	427							
				D	.092	.144	.207	.282	.369	.467							
1-1/4" x 3/16"	13AP4 4.9# 13AP2 5.6#	57"	.721	U	1442	923	641	471	361	285	231	191					
				D	.115	.180	.259	.353	.461	.583	.720	.871					
				C	1442	1154	962	824	721	641	577	524					
				D	.092	.144	.207	.282	.369	.467	.576	.697					
1-1/2" x 1/8"	13AP4 3.8# 13AP2 4.3#	59"	.692	U	1385	886	615	452	346	274	222	183					
				D	.096	.150	.216	.294	.384	.486	.600	.726					
				C	1385	1108	923	791	692	615	554	503					
				D	.077	.120	.173	.235	.307	.389	.480	.581					
1-1/2" x 3/16"	13AP4 5.7# 13AP2 6.4#	65"	1.038	U	2077	1329	923	678	519	410	332	275	231				
				D	.096	.150	.216	.294	.384	.486	.600	.726	.864				
				C	2077	1662	1385	1187	1038	923	831	755	692				
				D	.077	.120	.173	.235	.307	.389	.480	.581	.691				
1-3/4" x 3/16"	13AP4 6.6# 13AP2 7.3#	73"	1.413	U	2827	1809	1256	923	707	558	452	374	314	268			
				D	.082	.129	.185	.252	.329	.417	.514	.622	.741	.869			
				C	2827	2262	1885	1615	1413	1256	1131	1028	942	870			
				D	.066	.103	.148	.202	.263	.333	.411	.498	.592	.695			
2" x 3/16"	13AP4 7.4# 13AP2 8.1#	81"	1.846	U	3692	2363	1641	1206	923	729	591	488	410	350	301		
				D	.072	.113	.162	.221	.288	.365	.450	.545	.648	.761	.882		
				C	3692	2954	2462	2110	1846	1641	1477	1343	1231	1136	1055		
				D	.058	.090	.130	.176	.230	.292	.360	.436	.518	.608	.706		
2-1/4" x 3/16"	13AP4 8.3# 13AP2 8.9#	88"	2.337	U	4673	2991	2077	1526	1168	923	748	618	519	442	381	292	231
				D	.064	.100	.144	.196	.256	.324	.400	.484	.576	.676	.784	1.024	1.296
				C	4673	3738	3115	2670	2337	2077	1869	1699	1558	1438	1335	1168	1038
				D	.051	.080	.115	.157	.205	.259	.320	.387	.461	.541	.627	.819	1.037
2-1/2" x 3/16"	13AP4 9.1# 13AP2 9.8#	95"	2.885	U	5769	3692	2564	1884	1442	1140	923	763	641	546	471	361	285
				D	.058	.090	.130	.176	.230	.292	.360	.436	.518	.608	.706	.922	1.166
				C	5769	4615	3846	3297	2885	2564	2308	2098	1923	1775	1648	1442	1282
				D	.046	.072	.104	.141	.184	.233	.288	.348	.415	.487	.564	.737	.933

U=Safe uniform load, lb/sq ft
C=Safe concentrated load, lb/ft of grating width, at mid-span
D=Deflection in inches

Data is theoretical and based on 12,000 psi.
Install Cross Rods on Top.

% Open Area[1]		
Bars	1/8"	3/16"
4"cc	80%	72%
2"cc	74%	68%

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

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

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 above), however, this can be exceeded for non-pedestrian loading conditions at engineer's discretion.

Serrated Grating: For serrated grating, the depth of grating required for a specified load is 1/4" greater than shown in the above tables.