Bar Size	Symbol / Approx. 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"
3/4" x 3/16"	11SW4 9.1# 11SW2 9.7#	11SP4 9.9# 11SP2 11.3#	11SS4 9.3# 11SS2 9.9#	52"	.307	U D C D	1023 .114 1023 .091	655 .179 818 .143	455 .257 682 .206	334 .350 584 .280	256 .458 511 .365	202 .578 455 .463	U=Safe uniform load, lb/sq ft C=Safe concentrated load, lb/ft of grating width, at mid-span D=Deflection in inches					
1" x 3/16"	11SW4 11.9# 11SW2 12.5#	11SP4 12.7# 11SP2 14.2#	11SS4 12.0# 11SS2 12.6#	65"	.545	U D C D	1818 .086 1818 .069	1164 .134 1455 .107	808 .193 1212 .154	594 .263 1039 .210	455 .343 909 .274	359 .434 808 .347	291 .536 727 .428	240 .647 661 .518	Data is theoretical and based on 20,000 psi. Install Cross Rods on Top.			
1-1/4" x 3/16"	11SW4 14.7# 11SW2 15.3#	11SP4 16.0# 11SP2 17.9#	11SS4 14.8# 11SS2 15.4#	77"	.852	U D C D	2841 .069 2841 .055	1818 .107 2273 .086	1263 .154 1894 .123	928 .210 1623 .168	710 .274 1420 .219	561 .347 1263 .278	455 .429 1136 .343	376 .519 1033 .415	316 .618 947 .494	269 .724 874 .579		
1-1/2" x 3/16"	11SW4 17.5# 11SW2 18.1#	11SP4 18.8# 11SP2 20.7#	11SS4 17.7# 11SS2 18.3#	88"	1.227	U D C D	4091 .057 4091 .046	2618 .089 3273 .071	1818 .129 2727 .103	1336 .175 2338 .140	1023 .229 2046 .183	808 .289 1818 .231	655 .357 1636 .286	541 .432 1488 .346	455 .515 1364 .412	387 .603 1259 .483	334 .700 1169 .560	256 .915 1023 .732
1-3/4" x 3/16"	11SW4 20.4# 11SW2 21.0#	11SP4 21.7# 11SP2 23.6#	11SS4 19.8# 11SS2 20.4#	99"	1.670	U D C D	5568 .049 5568 .039	3564 .077 4455 .061	2475 .110 3712 .088	1818 .150 3182 .120	1392 .196 2784 .157	1100 .248 2475 .198	891 .306 2227 .245	736 .370 2025 .296	619 .441 1856 .353	527 .517 1713 .414	455 .601 1591 .480	348 .784 1392 .627
2" x 3/16"	11SW4 23.2# 11SW2 23.8#	11SP4 24.5# 11SP2 26.4#	11SS4 23.4# 11SS2 24.0#	109"	2.182	U D C D	7273 .043 7273 .034	4655 .067 5818 .054	3232 .096 4849 .077	2375 .131 4156 .105	1818 .171 3636 .137	1437 .217 3232 .174	1164 .268 2909 .214	962 .324 2645 .259	808 .386 2424 .309	689 .453 2238 .362	594 .525 2078 .420	455 .686 1818 .549
2-1/4" x 3/16"	11SW4 26.0# 11SW2 26.6#	11SP4 27.3# 11SP2 29.2#	11SS4 26.3# 11SS2 26.9#	119"	2.761	U D C D	9205 .038 9205 .030	5891 .060 7364 .048	4091 .086 6137 .069	3006 .117 5260 .093	2301 .152 4602 .122	1818 .193 4091 .154	1473 .238 3682 .190	1217 .288 3347 .230	1023 .343 3068 .274	871 .402 2832 .322	751 .466 2630 .373	575 .609 2301 .488
2-1/2" x 3/16"	11SW4 28.8# 11SW2 29.4#	11SP4 30.1# 11SP2 32.0#	11SS4 29.1# 11SS2 29.7#	129"	3.409	U D C D	11364 .034 11364 .027	7273 .054 9091 .043	5051 .077 7576 .062	3711 .105 6494 .084	2841 .137 5682 .110	2245 .174 5051 .139	1818 .214 4546 .171	1503 .259 4132 .207	1263 .309 3788 .247	1076 .362 3497 .290	928 .420 3247 .336	710 .548 2841 .439

***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 table 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 table.

% Open Area[1]	
Bars	3/16"
4"cc	66%
2"cc	60%

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