

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