

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"	15SW4	15SP4	15SS4	48"	.225	U	750	480	333	245	188	148	U=Safe uniform load, lb/sq ft C=Safe concentrated load, lb/ft of grating width, at mid-span D=Deflection in inches						
	6.9#	7.7#	7.0#			D	.114	.179	.257	.350	.458	.578							
	15SW2	15SP2	15SS2			C	750	600	500	429	375	333							
	7.5#	9.1#	7.6#			D	.091	.143	.206	.280	.366	.462							
1" x 3/16"	15SW4	15SP4	15SS4	60"	.400	U	1333	853	593	435	333	263	213	176	Data is theoretical and based on 20,000 psi. Install Cross Rods on Top.				
	8.9#	9.8#	9.0#			D	.086	.134	.193	.262	.343	.433	.535	.647					
	15SW2	15SP2	15SS2			C	1333	1067	889	762	667	593	533	485					
	9.6#	11.2#	9.6#			D	.069	.107	.154	.210	.274	.347	.428	.519					
1-1/4" x 3/16"	15SW4	15SP4	15SS4	71"	.625	U	2083	1333	926	680	521	412	333	275	231	% Open Area ¹			
	11.0#	12.3#	11.0#			D	.069	.107	.154	.210	.274	.348	.428	.518	.616			Bars	3/16"
	15SW2	15SP2	15SS2			C	2083	1667	1389	1190	1042	926	833	758	694			4"cc	73%
	11.6#	14.2#	11.6#			D	.055	.086	.123	.168	.219	.278	.343	.415	.493			2"cc	67%
1-1/2" x 3/16"	15SW4	15SP4	15SS4	81"	.900	U	3000	1920	1333	980	750	593	480	397	333	284	245	¹ Open Area % for reference only - %'s will vary with mater- ial & mfg. process.	
	13.1#	14.4#	13.1#			D	.057	.089	.129	.175	.229	.289	.357	.432	.514	.604	.700		
	15SW2	15SP2	15SS2			C	3000	2400	2000	1714	1500	1333	1200	1091	1000	923	857		
	13.7#	16.3#	13.7#			D	.046	.071	.103	.140	.183	.231	.286	.346	.411	.483	.560		
1-3/4" x 3/16"	15SW4	15SP4	15SS4	91"	1.225	U	4083	2613	1815	1333	1021	807	653	540	454	387	333	255	
	15.2#	16.5#	14.7#			D	.049	.077	.110	.150	.196	.248	.306	.370	.441	.518	.599	.783	
	15SW2	15SP2	15SS2			C	4083	3267	2722	2333	2042	1815	1633	1485	1361	1256	1167	1021	
	15.8#	18.4#	15.3#			D	.039	.061	.088	.120	.157	.198	.245	.296	.353	.414	.480	.627	
2" x 3/16"	15SW4	15SP4	15SS4	101"	1.600	U	5333	3413	2370	1741	1333	1053	853	705	593	505	435	333	
	17.3#	18.6#	17.3#			D	.043	.067	.096	.131	.171	.217	.268	.324	.386	.453	.525	.685	
	15SW2	15SP2	15SS2			C	5333	4267	3556	3048	2667	2370	2133	1939	1778	1641	1524	1333	
	17.9#	20.5#	17.9#			D	.034	.054	.077	.105	.137	.174	.214	.259	.309	.362	.420	.548	
2-1/4" x 3/16"	15SW4	15SP4	15SS4	110"	2.025	U	6750	4320	3000	2204	1688	1333	1080	893	750	639	551	422	
	19.4#	20.7#	19.5#			D	.038	.060	.086	.117	.152	.193	.238	.288	.343	.402	.467	.610	
	15SW2	15SP2	15SS2			C	6750	5400	4500	3857	3375	3000	2700	2455	2250	2077	1929	1688	
	20.0#	22.6#	20.1#			D	.030	.048	.069	.093	.122	.154	.190	.231	.274	.322	.373	.488	
2-1/2" x 3/16"	15SW4	15SP4	15SS4	119"	2.500	U	8333	5333	3704	2721	2083	1646	1333	1102	926	789	680	521	
	21.4#	22.7#	21.5#			D	.034	.054	.077	.105	.137	.174	.214	.259	.309	.362	.420	.549	
	15SW2	15SP2	15SS2			C	8333	6667	5556	4762	4167	3704	3333	3030	2778	2564	2381	2083	
	22.0#	24.7#	22.1#			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.