

Bar Size	Symbol / Apprx. Wgt*** Lbs/Sq. Ft.		Symbol / Apprx. Wgt*** Lbs/Sq. Ft.		Sec. Mod. Per Ft. Of Width	Maximum Safe Concentrated Load*, Lbs. - Clear Span												
	1'-0"	1'-6"	2'-0"	2'-6"		3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	7'-0"	8'-0"				
1" x 1/4"	38W4	5.2#	38W2	5.8#	.211	1407	938	702	561	468	401	351	312	281	255	234	201	175
1" x 5/16"	38W4	7.2#	38W2	8.7#	.263	1754	1169	877	702	585	501	439	390	351	319	292	251	219
1" x 3/8"	38W4	8.3#	38W2	9.8#	.316	2107	1404	1053	842	702	602	526	468	421	383	351	301	263
1-1/4" x 1/4"	38W4	6.3#	38W2	6.9#	.329	2193	1462	1096	877	731	627	548	487	439	399	365	313	274
1-1/4" x 5/16"	38W4	8.6#	38W2	10.1#	.411	2741	1828	1371	1096	914	783	685	609	548	498	457	392	343
1-1/4" x 3/8"	38W4	10.0#	38W2	11.5#	.493	3287	2191	1645	1316	1096	940	822	731	658	598	548	470	411
1-1/2" x 1/4"	38W4	7.4#	38W2	7.9#	.474	3160	2107	1579	1263	1053	902	789	702	632	574	526	451	395
1-1/2" x 5/16"	38W4	10.0#	38W2	11.5#	.592	3947	2631	1974	1579	1316	1128	987	877	789	718	658	564	493
1-1/2" x 3/8"	38W4	11.7#	38W2	13.2#	.711	4740	3160	2368	1895	1579	1353	1184	1053	947	861	789	677	592
1-3/4" x 1/4"	38W4	8.6#	38W2	9.2#	.645	4300	2867	2149	1719	1433	1228	1075	955	860	781	716	614	537
1-3/4" x 5/16"	38W4	11.4#	38W2	12.9#	.806	5369	3580	2686	2149	1791	1535	1343	1194	1075	977	895	768	672
1-3/4" x 3/8"	38W4	13.4#	38W2	14.9#	.967	6447	4298	3224	2579	2149	1842	1612	1433	1289	1172	1075	921	806
2" x 1/4"	38W4	9.7#	38W2	10.3#	.842	5613	3742	2807	2246	1871	1604	1404	1248	1123	1021	936	802	702
2" x 5/16"	38W4	12.9#	38W2	14.4#	1.053	7020	4680	3509	2807	2339	2005	1754	1559	1404	1276	1170	1003	877
2" x 3/8"	38W4	15.1#	38W2	16.6#	1.263	8420	5613	4211	3368	2807	2406	2105	1871	1684	1531	1404	1203	1053
2-1/4" x 1/4"	38W4	10.8#	38W2	11.5#	1.066	7107	4738	3553	2842	2368	2030	1776	1579	1421	1292	1184	1015	888
2-1/4" x 5/16"	38W4	14.3#	38W2	15.8#	1.332	8878	5920	4441	3553	2961	2538	2220	1974	1776	1615	1480	1269	1110
2-1/4" x 3/8"	38W4	16.8#	38W2	18.3#	1.599	10660	7107	5329	4263	3553	3045	2664	2368	2132	1938	1776	1523	1332
2-1/2" x 1/4"	38W4	12.0#	38W2	12.6#	1.316	8773	5849	4386	3509	2924	2506	2193	1949	1754	1595	1462	1253	1096
2-1/2" x 5/16"	38W4	15.7#	38W2	17.2#	1.645	10967	7311	5482	4386	3655	3133	2741	2437	2193	1994	1827	1566	1371
2-1/2" x 3/8"	38W4	18.5#	38W2	20.0#	1.974	13160	8773	6579	5263	4386	3759	3289	2924	2632	2392	2193	1880	1645
2-3/4" x 1/4"	38W4	14.0#	38W2	15.5#	1.592	10609	7074	5307	4246	3538	3033	2654	2359	2123	1930	1769	1516	1327
2-3/4" x 5/16"	38W4	17.7#	38W2	19.7#	1.990	13261	8843	6634	5307	4423	3791	3317	2948	2645	2412	2211	1895	1658
2-3/4" x 3/8"	38W4	20.7#	38W2	22.8#	2.388	15914	10612	7961	6368	5307	4549	3980	3538	3184	2895	2654	2274	1990
3" x 1/4"	38W4	15.1#	38W2	16.7#	1.895	12633	8422	6316	5053	4211	3609	3158	2807	2526	2297	2105	1805	1579
3" x 5/16"	38W4	19.1#	38W2	21.1#	2.368	15793	10529	7895	6316	5263	4511	3947	3509	3158	2871	2632	2256	1974
3" x 3/8"	38W4	22.4#	38W2	24.5#	2.842	18947	12631	9474	7579	6316	5414	4737	4211	3789	3445	3158	2707	2368
3-1/4" x 1/4"	38W4	16.3#	38W2	17.8#	2.224	14817	9881	7412	5930	4942	4236	3706	3294	2965	2695	2471	2118	1853
3-1/4" x 5/16"	38W4	20.5#	38W2	22.5#	2.780	18521	12350	9265	7412	6177	5294	4633	4118	3706	3369	3088	2647	2316
3-1/4" x 3/8"	38W4	24.1#	38W2	26.2#	3.336	22225	14820	11118	8895	7412	6353	5559	4942	4447	4043	3706	3177	2780
3-1/2" x 1/4"	38W4	17.4#	38W2	18.9#	2.579	17193	11462	8596	6877	5731	4912	4298	3821	3439	3126	2865	2456	2149
3-1/2" x 5/16"	38W4	21.9#	38W2	24.0#	3.224	21481	14324	10746	8596	7164	6140	5373	4776	4298	3907	3582	3070	2686
3-1/2" x 3/8"	38W4	25.8#	38W2	27.9#	3.868	25793	17196	12895	10316	8596	7368	6447	5731	5158	4689	4298	3684	3224
4" x 1/4"	38W4	19.7#	38W2	21.2#	3.368	22460	14973	11228	8982	7485	6416	5614	4990	4491	4083	3743	3208	2807
4" x 5/16"	38W4	24.8#	38W2	26.8#	4.211	28073	18716	14035	11228	9357	8020	7018	6238	5614	5104	4678	4010	3509
4" x 3/8"	38W4	29.2#	38W2	31.3#	5.053	33687	22458	16842	13474	11228	9624	8421	7485	6737	6124	5614	4812	4211
4-1/2" x 1/4"	38W4	22.0#	38W2	23.5#	4.263	28420	18947	14211	11368	9474	8120	7105	6316	5684	5167	4737	4060	3553
4-1/2" x 5/16"	38W4	27.6#	38W2	29.6#	5.329	35508	23678	17763	14211	11842	10150	8882	7895	7105	6459	5921	5075	4441
4-1/2" x 3/8"	38W4	32.6#	38W2	34.7#	6.395	42633	28422	21316	17053	14211	12180	10658	9474	8526	7751	7105	6090	5329
5" x 1/4"	38W4	24.2#	38W2	25.7#	5.263	35093	23396	17544	14035	11696	10025	8772	7797	7018	6380	5848	5013	4386
5" x 5/16"	38W4	30.4#	38W2	32.5#	6.579	43860	29240	21930	17544	14620	12531	10965	9747	8772	7974	7310	6266	5482
5" x 3/8"	38W4	36.0#	38W2	38.1#	7.895	52633	35089	26316	21053	17544	15038	13158	11696	10526	9569	8772	7519	6579
6" x 1/4"	38W4	28.8#	38W2	30.3#	7.579	67344	33689	25263	20211	16842	14436	12632	11228	10105	9187	8421	7218	6316
6" x 5/16"	38W4	36.1#	38W2	38.1#	9.474	84172	42107	31579	25263	21053	18045	15789	14035	12632	11483	10526	9023	7895
6" x 3/8"	38W4	42.8#	38W2	44.9#	11.368	101007	50529	37895	30316	25263	21654	18947	16842	15158	13780	12632	10827	9474

* Based on 5.053 bars/ft of grating width. Bearing bars 2-3/8" center to center.

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

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