Data is theoretical and based on 20,000 psi.

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"	19W4	9.4#	19W2	10.0#	.421	2807	1871	1404	1123	936	802	702	624	561	510	468	401	351
1" x 5/16"	19W4	12.5#	19W2	14.0#	.526	3506	2336	1754	1404	1170	1003	877	780	702	638	585	501	439
1" x 3/8"	19W4	14.7#	19W2	16.2#	.632	4213	2809	2105	1684	1404	1203	1053	936	842	766	702	602	526
1-1/4" x 1/4"	19W4	11.6#	19W2	12.2#	.658	4387	2924	2193	1754	1462	1253	1096	975	877	797	731	627	548
1-1/4" x 5/16"	19W4	15.2#	19W2	16.8#	.822	5479	3652	2741	2193	1827	1566	1371	1218	1096	997	914	783	685
1-1/4" x 3/8"	19W4	18.0#	19W2	19.5#	.987	6580	4387	3289	2632	2193	1880	1645	1462	1316	1196	1096	940	822
1-1/2" x 1/4"	19W4	13.8#	19W2	14.3#	.947	6313	4209	3158	2526	2105	1805	1579	1404	1263	1148	1053	902	789
1-1/2" x 5/16"	19W4	18.0#	19W2	19.5#	1.184	7893	5262	3947	3158	2632	2256	1974	1754	1579	1435	1316	1128	987
1-1/2" x 3/8"	19W4	21.3#	19W2	22.8#	1.421	9473	6316	4737	3789	3158	2707	2368	2105	1895	1722	1579	1353	1184
1-3/4" x 1/4"	19W4	16.0#	19W2	16.6#	1.289	8593	5729	4298	3439	2865	2456	2149	1910	1719	1563	1433	1228	1075
1-3/4" x 5/16"	19W4	20.7#	19W2	22.3#	1.612	10741	7161	5373	4298	3582	3070	2686	2388	2149	1954	1791	1535	1343
1-3/4" x 3/8"	19W4	24.6#	19W2	26.1#	1.934	12893	8596	6447	5158	4298	3684	3224	2865	2579	2344	2149	1842	1612
2" x 1/4"	19W4	18.2#	19W2	18.8#	1.684	11227	7484	5614	4491	3743	3208	2807	2495	2246	2041	1871	1604	1404
2" x 5/16"	19W4	23.5#	19W2	25.0#	2.105	14033	9356	7018	5614	4678	4010	3509	3119	2807	2552	2339	2005	1754
2" x 3/8"	19W4	27.9#	19W2	29.4#	2.526	16840	11227	8421	6737	5614	4812	4211	3743	3368	3062	2807	2406	2105
2-1/4" x 1/4"	19W4	20.4#	19W2	21.1#	2.132	14213	9476	7105	5684	4737	4060	3553	3158	2842	2584	2368	2030	1776
2-1/4" x 5/16"	19W4	26.2#	19W2	27.8#	2.664	17766	11845	8882	7105	5921	5075	4441	3947	3553	3230	2961	2538	2220
2-1/4" x 3/8"	19W4	31.1#	19W2	32.6#	3.197	21313	14209	10658	8526	7105	6090	5329	4737	4263	3876	3553	3045	2664
2-1/2" x 1/4"	19W4	22.6#	19W2	23.3#	2.632	17547	11698	8772	7018	5848	5013	4386	3899	3509	3190	2924	2506	2193
2-1/2" x 5/16"	19W4	29.0#	19W2	30.5#	3.289	21927	14618	10965	8772	7310	6266	5482	4873	4386	3987	3655	3133	2741
2-1/2" x 3/8"	19W4	34.4#	19W2	25.9#	3.947	26313	17542	13158	10526	8772	7519	6579	5848	5263	4785	4386	3759	3289
2-3/4" x 1/4"	19W4	25.7#	19W2	27.2#	3.184	21228	14148	10614	8491	7076	6065	5307	4717	4246	3860	3538	3033	2654
2-3/4" x 5/16"	19W4	32.3#	19W2	34.3#	3.980	26536	17690	13268	10614	8845	7581	6634	5897	5307	4825	4423	3791	3317
2-3/4" x 3/8"	19W4	38.3#	19W2	40.3#	4.776	31842	21226	15921	12737	10614	9098	7961	7076	6368	5789	5307	4549	3980
3" x 1/4"	19W4	27.9#	19W2	29.4#	3.789	25260	16840	12632	10105	8421	7218	6316	5614	5053	4593	4211	3609	3158
3" x 5/16"	19W4	35.0#	19W2	37.1#	4.737	31580	21053	15789	12632	10526	9023	7895	7018	6316	5742	5263	4511	3947
3" x 3/8"	19W4	41.6#	19W2	43.6#	5.684	37893	25262	18947	15158	12632	10827	9474	8421	7579	6890	6316	5414	4737
3-1/4" x 1/4"	19W4	30.1#	19W2	31.6#	4.447	29650	19762	14825	11860	9883	8471	7412	6589	5930	5391	4942	4236	3706
3-1/4" x 5/16"	19W4	37.8#	19W2	39.8#	5.559	37062	24702	18531	14825	12354	10589	9265	8236	7412	6738	6177	5294	4633
3-1/4" x 3/8"	19W4	44.9#	19W2	46.9#	6.671	44474	29642	22237	17789	14825	12707	11118	9883	8895	8086	7412	6353	5559
3-1/2" x 1/4"	19W4	32.4#	19W2	33.9#	5.158	34387	22924	17193	13754	11462	9825	8596	7641	6877	6252	5731	4912	4298
3-1/2" x 5/16"	19W4	40.5#	19W2	42.6#	6.447	42983	28655	21491	17193	14327	12281	10746	9552	8596	7815	7164	6140	5373
3-1/2" x 3/8"	19W4	48.2#	19W2	50.2#	7.737	51580	34387	25789	20632	17193	14737	12895	11462	10316	9378	8596	7368	6447
4" x 1/4"	19W4	36.8#	19W2	38.3#	6.737	44912	29942	22456	17965	14971	12832	11228	9981	8982	8166	7485	6416	5614
4" x 5/16"	19W4	46.0#	19W2	48.1#	8.421	56140	37427	28070	22456	18713	16040	14035	12476	11228	10207	9357	8020	7018
4" x 3/8"	19W4	54.7#	19W2	56.8#	10.105	67368	44911	33684	26947	22456	19248	16842	14971	13474	12249	11228	9624	8421
4-1/2" x 1/4"	19W4	41.2#	19W2	42.7#	8.526	56842	37893	28421	22737	18947	16241	14211	12632	11368	10335	9474	8120	7105
4-1/2" x 5/16"	19W4	51.5#	19W2	53.6#	10.658	71052	47356	35526	28421	23684	20301	17763	15789	14211	12919	11842	10150	8882
4-1/2" x 3/8"	19W4	61.3#	19W2	63.4#	12.789	85264	56840	42632	34105	28421	24361	21316	18947	17053	15502	14211	12180	10658
5" x 1/4"	19W4	45.6#	19W2	47.1#	10.526	70176	46772	35088	28070	23392	20050	17544	15595	14035	12759	11696	10025	8772
5" x 5/16"	19W4	57.0#	19W2	59.1#	13.158	87720	58465	43860	35088	29240	25063	21930	19493	17544	15949	14620	12531	10965
5" x 3/8"	19W4	67.9#	19W2	70.0#	15.789	105263	70158	52632	42105	35088	30075	26316	23392	21053	19139	17544	15038	13158
6" x 1/4"	19W4	54.4#	19W2	55.9#	15.158	101051	67352	50526	40421	33684	28872	25263	22456	20211	18373	16842	14436	12632
6" x 5/16"	19W4	68.0#	19W2	70.1#	18.947	126315	84190	63158	50526	42105	36090	31579	28070	25263	22967	21053	18045	15789
6" x 3/8"	19W4	81.1#	19W2	83.1#	22.737	151578	101027	75789	60632	50526	43308	37895	33684	30316	27560	25263	21654	18947

* Based on 10.105 bars/ft of grating width. Bearing bars 1-3/16" 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.