

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"	15W4	11.7#	15W2	12.3#	.533	3553	2369	1778	1422	1185	1016	889	790	711	646	593	508	444
1" x 5/16"	15W4	15.3#	15W2	16.8#	.667	4442	2962	2222	1778	1481	1270	1111	988	889	808	741	635	556
1" x 3/8"	15W4	18.1#	15W2	19.6#	.800	5333	3556	2667	2133	1778	1524	1333	1185	1067	970	889	762	667
1-1/4" x 1/4"	15W4	14.5#	15W2	15.1#	.833	5553	3702	2778	2222	1852	1587	1389	1235	1111	1010	926	794	694
1-1/4" x 5/16"	15W4	18.8#	15W2	20.3#	1.042	6941	4628	3472	2778	2315	1984	1736	1543	1389	1263	1157	992	868
1-1/4" x 3/8"	15W4	22.2#	15W2	23.7#	1.250	8333	5556	4167	3333	2778	2381	2083	1852	1667	1515	1389	1190	1042
1-1/2" x 1/4"	15W4	17.2#	15W2	17.7#	1.200	8000	5333	4000	3200	2667	2286	2000	1778	1600	1455	1333	1143	1000
1-1/2" x 5/16"	15W4	22.3#	15W2	23.8#	1.500	10000	6667	5000	4000	3333	2857	2500	2222	2000	1818	1667	1429	1250
1-1/2" x 3/8"	15W4	26.4#	15W2	27.9#	1.800	12000	8000	6000	4800	4000	3429	3000	2667	2400	2182	2000	1714	1500
1-3/4" x 1/4"	15W4	20.0#	15W2	20.6#	1.633	10887	7258	5444	4356	3630	3111	2722	2420	2178	1980	1815	1556	1361
1-3/4" x 5/16"	15W4	25.7#	15W2	27.2#	2.042	13605	9072	6806	5444	4537	3889	3403	3025	2722	2475	2269	1944	1701
1-3/4" x 3/8"	15W4	30.5#	15W2	32.0#	2.450	16333	10889	8167	6533	5444	4667	4083	3630	3267	2970	2722	2333	2042
2" x 1/4"	15W4	22.8#	15W2	23.4#	2.133	14220	9480	7111	5689	4741	4063	3556	3160	2844	2586	2370	2032	1778
2" x 5/16"	15W4	29.2#	15W2	30.7#	2.667	17780	11853	8889	7111	5926	5079	4444	3951	3556	3232	2963	2540	2222
2" x 3/8"	15W4	34.7#	15W2	36.2#	3.200	21333	14222	10667	8533	7111	6095	5333	4741	4267	3879	3556	3048	2667
2-1/4" x 1/4"	15W4	25.6#	15W2	26.2#	2.700	18000	12000	9000	7200	6000	5143	4500	4000	3600	3273	3000	2571	2250
2-1/4" x 5/16"	15W4	32.6#	15W2	34.1#	3.375	29977	14996	11250	9000	7500	6429	5625	5000	4500	4091	3750	3214	2813
2-1/4" x 3/8"	15W4	38.8#	15W2	40.3#	4.050	27000	18000	13500	10800	9000	7714	6750	6000	5400	4909	4500	3857	3375
2-1/2" x 1/4"	15W4	28.3#	15W2	28.9#	3.333	22220	14813	11111	8889	7407	6349	5556	4938	4444	4040	3704	3175	2778
2-1/2" x 5/16"	15W4	36.1#	15W2	37.6#	4.167	27780	18520	13889	11111	9259	7937	6944	6173	5556	5051	4630	3968	3472
2-1/2" x 3/8"	15W4	42.9#	15W2	44.4#	5.000	33333	22222	16667	13333	11111	9524	8333	7407	6667	6061	5556	4762	4167
2-3/4" x 1/4"	15W4	32.0#	15W2	33.5#	4.033	26875	17921	13444	10756	8963	7683	6722	5975	5378	4889	4481	3841	3361
2-3/4" x 5/16"	15W4	40.1#	15W2	42.1#	5.042	33595	22402	16806	13444	11204	9603	8403	7469	6722	6111	5602	4802	4201
2-3/4" x 3/8"	15W4	47.6#	15W2	49.7#	6.050	40314	26882	20167	16133	13444	11524	10083	8963	8067	7333	6722	5762	5042
3" x 1/4"	15W4	34.8#	15W2	36.3#	4.800	32000	21333	16000	12800	10667	9143	8000	7111	6400	5818	5333	4571	4000
3" x 5/16"	15W4	43.6#	15W2	45.6#	6.000	40000	26667	20000	16000	13333	11429	10000	8889	8000	7273	6667	5714	5000
3" x 3/8"	15W4	51.8#	15W2	53.8#	7.200	48000	32000	24000	19200	16000	13714	12000	10667	9600	8727	8000	6857	6000
3-1/4" x 1/4"	15W4	37.5#	15W2	39.0#	5.633	37537	25031	18778	15022	12519	10730	9389	8346	7511	6828	6259	5365	4694
3-1/4" x 5/16"	15W4	47.0#	15W2	49.1#	7.042	46921	31288	23472	18778	15648	13413	11736	10432	9389	8535	7824	6706	5868
3-1/4" x 3/8"	15W4	55.9#	15W2	58.0#	8.450	56306	37547	28167	22533	18778	16095	14083	12519	11267	10242	9389	8048	7042
3-1/2" x 1/4"	15W4	40.3#	15W2	41.8#	6.533	43553	29036	21778	17422	14519	12444	10889	9679	8711	7919	7259	6222	5444
3-1/2" x 5/16"	15W4	50.5#	15W2	52.5#	8.167	54417	36287	27222	21778	18148	15556	13611	12099	10889	9899	9074	7778	6806
3-1/2" x 3/8"	15W4	60.1#	15W2	62.1#	9.800	65333	43556	32667	26133	21778	18667	16333	14519	13067	11879	10889	9333	8167
4" x 1/4"	15W4	45.9#	15W2	47.4#	8.533	56887	37924	28444	22756	18963	16254	14222	12642	11378	10343	9481	8127	7111
4" x 5/16"	15W4	57.4#	15W2	59.4#	10.667	71076	47409	35556	28444	23704	20317	17778	15802	14222	12929	11852	10159	8889
4" x 3/8"	15W4	68.3#	15W2	70.4#	12.800	85291	56889	42667	34133	28444	24381	21333	18963	17067	15515	14222	12190	10667
4-1/2" x 1/4"	15W4	51.4#	15W2	52.9#	10.800	71964	48000	36000	28800	24000	20571	18000	16000	14400	13091	12000	10286	9000
4-1/2" x 5/16"	15W4	64.3#	15W2	66.4#	13.500	89955	59985	45000	36000	30000	25714	22500	20000	18000	16364	15000	12857	11250
4-1/2" x 3/8"	15W4	76.6#	15W2	78.7#	16.200	107946	71982	54000	43200	36000	30857	27000	24000	21600	19636	18000	15429	13500
5" x 1/4"	15W4	56.9#	15W2	58.4#	13.333	88844	59244	44444	35556	29630	25397	22222	19753	17778	16162	14815	12698	11111
5" x 5/16"	15W4	71.2#	15W2	73.3#	16.667	111056	74056	55556	44444	37037	31746	27778	24691	22222	20202	18519	15873	13889
5" x 3/8"	15W4	84.9#	15W2	87.0#	20.000	133267	88867	66667	53333	44444	38095	33333	29630	26667	24242	22222	19048	16667
6" x 1/4"	15W4	68.0#	15W2	69.5#	19.200	127936	85312	64000	51200	42667	36571	32000	28444	25600	23273	21333	18286	16000
6" x 5/16"	15W4	85.1#	15W2	87.1#	24.000	159920	106640	80000	64000	53333	45714	40000	35556	32000	29091	26667	22857	20000
6" x 3/8"	15W4	101.5#	15W2	103.5#	28.800	191904	127968	96000	76800	64000	54857	48000	42667	38400	34909	32000	27429	24000

* Based on 12.8 bars/ft of grating width. Bearing bars 15/16" 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.