

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"	22W4	8.3#	22W2	8.9#	.364	2427	1618	1212	970	808	693	606	539	485	441	404	346	303
1" x 5/16"	22W4	11.0#	22W2	12.6#	.455	3028	2019	1515	1212	1010	866	758	673	606	551	505	433	379
1" x 3/8"	22W4	12.9#	22W2	14.4#	.545	3633	2422	1818	1455	1212	1039	909	808	727	661	606	519	455
1-1/4" x 1/4"	22W4	10.2#	22W2	10.8#	.568	3787	2524	1894	1515	1263	1082	947	842	758	689	631	541	473
1-1/4" x 5/16"	22W4	13.4#	22W2	14.9#	.710	4732	3155	2367	1894	1578	1353	1184	1052	947	861	789	676	592
1-1/4" x 3/8"	22W4	15.8#	22W2	17.3#	.852	5680	3787	2841	2273	1894	1623	1420	1263	1136	1033	947	812	710
1-1/2" x 1/4"	22W4	12.0#	22W2	12.6#	.818	5453	3636	2727	2182	1818	1558	1364	1212	1091	992	909	779	682
1-1/2" x 5/16"	22W4	15.8#	22W2	17.3#	1.023	6820	4547	3409	2727	2273	1948	1705	1515	1364	1240	1136	974	852
1-1/2" x 3/8"	22W4	18.7#	22W2	20.2#	1.227	8180	5453	4091	3273	2727	2338	2045	1818	1636	1488	1364	1169	1023
1-3/4" x 1/4"	22W4	14.0#	22W2	14.6#	1.114	7427	4951	3712	2970	2475	2121	1856	1650	1485	1350	1237	1061	928
1-3/4" x 5/16"	22W4	18.2#	22W2	19.7#	1.392	9275	6185	4640	3712	3093	2652	2320	2062	1856	1687	1547	1326	1160
1-3/4" x 3/8"	22W4	21.5#	22W2	23.0#	1.670	11133	7422	5568	4455	3712	3182	2784	2475	2227	2025	1856	1591	1392
2" x 1/4"	22W4	15.9#	22W2	16.5#	1.455	9700	6467	4848	3879	3232	2771	2424	2155	1939	1763	1616	1385	1212
2" x 5/16"	22W4	20.6#	22W2	22.1#	1.818	12120	8080	6061	4848	4040	3463	3030	2694	2424	2204	2020	1732	1515
2" x 3/8"	22W4	24.4#	22W2	25.9#	2.182	14547	9698	7273	5818	4848	4156	3636	3232	2909	2645	2424	2078	1818
2-1/4" x 1/4"	22W4	17.8#	22W2	18.4#	1.841	12273	8182	6136	4909	4091	3506	3068	2727	2455	2231	2045	1753	1534
2-1/4" x 5/16"	22W4	23.0#	22W2	24.5#	2.301	15332	10224	7670	6136	5114	4383	3835	3409	3068	2789	2557	2192	1918
2-1/4" x 3/8"	22W4	27.2#	22W2	28.7#	2.761	18407	12271	9205	7364	6136	5260	4602	4091	3682	3347	3068	2630	2301
2-1/2" x 1/4"	22W4	19.7#	22W2	20.3#	2.273	15153	10102	7576	6061	5051	4329	3788	3367	3030	2755	2525	2165	1894
2-1/2" x 5/16"	22W4	25.4#	22W2	26.9#	2.841	18940	12627	9470	7576	6313	5411	4735	4209	3788	3444	3157	2706	2367
2-1/2" x 3/8"	22W4	30.1#	22W2	31.6#	3.409	22727	15151	11364	9091	7576	6494	5682	5051	4545	4132	3788	3247	2841
2-3/4" x 1/4"	22W4	22.5#	22W2	24.0#	2.750	18325	12220	9167	7333	6111	5238	4583	4074	3667	3333	3056	2619	2292
2-3/4" x 5/16"	22W4	28.3#	22W2	30.3#	3.438	22915	15274	11458	9167	7639	6548	5729	5093	4583	4167	3819	3274	2865
2-3/4" x 3/8"	22W4	33.5#	22W2	35.5#	4.125	25487	18329	13750	11000	9167	7857	6875	6111	5500	5000	4583	3929	3438
3" x 1/4"	22W4	24.5#	22W2	26.0#	3.273	21820	14547	10909	8727	7273	6234	5455	4848	4364	3967	3636	3117	2727
3" x 5/16"	22W4	30.7#	22W2	32.7#	4.091	27273	18182	13636	10909	9091	7792	6818	6061	5455	4959	4545	3896	3409
3" x 3/8"	22W4	36.4#	22W2	38.4#	4.909	32727	21818	16364	13091	10909	9351	8182	7273	6545	5950	5455	4675	4091
3-1/4" x 1/4"	22W4	26.4#	22W2	27.9#	3.841	25593	17066	12803	10242	8535	7316	6402	5690	5121	4656	4268	3658	3201
3-1/4" x 5/16"	22W4	33.1#	22W2	35.1#	4.801	31992	21333	16004	12803	10669	9145	8002	7113	6402	5820	5335	4573	4001
3-1/4" x 3/8"	22W4	39.2#	22W2	41.3#	5.761	38391	25600	19205	15364	12803	10974	9602	8535	7682	6983	6402	5487	4801
3-1/2" x 1/4"	22W4	28.3#	22W2	29.8#	4.455	29693	19796	14848	11879	9899	8485	7424	6599	5939	5399	4949	4242	3712
3-1/2" x 5/16"	22W4	35.5#	22W2	37.5#	5.568	37103	24742	18561	14848	12374	10606	9280	8249	7424	6749	6187	5303	4640
3-1/2" x 3/8"	22W4	42.1#	22W2	44.1#	6.682	44547	29698	22273	17818	14848	12727	11136	9899	8909	8099	7424	6364	5568
4" x 1/4"	22W4	32.1#	22W2	33.6#	5.818	38787	25858	19394	15515	12929	11082	9697	8620	7758	7052	6465	5541	4848
4" x 5/16"	22W4	40.2#	22W2	42.3#	7.273	48487	32324	24242	19394	16162	13853	12121	10774	9697	8815	8081	6926	6061
4" x 3/8"	22W4	47.8#	22W2	49.8#	8.727	58180	38787	29091	23273	19394	16623	14545	12929	11636	10579	9697	8312	7273
4-1/2" x 1/4"	22W4	35.9#	22W2	37.4#	7.364	49065	32724	24545	19636	16364	14026	12273	10909	9818	8926	8182	7013	6136
4-1/2" x 5/16"	22W4	45.0#	22W2	47.0#	9.205	61333	40899	30682	24545	20455	17532	15341	13636	12273	11157	10227	8766	7670
4-1/2" x 3/8"	22W4	53.5#	22W2	55.5#	11.045	73599	49089	36818	29455	24545	21039	18409	16364	14727	13388	12273	10519	9205
5" x 1/4"	22W4	39.8#	22W2	41.3#	9.091	60576	40394	30303	24242	20202	17316	15152	13468	12121	11019	10101	8658	7576
5" x 5/16"	22W4	49.8#	22W2	51.8#	11.364	75720	50493	37879	30303	25253	21645	18939	16835	15152	13774	12626	10823	9470
5" x 3/8"	22W4	59.2#	22W2	61.3#	13.636	90865	60592	45455	36364	30303	25974	22727	20202	18182	16529	15152	12987	11364
6" x 1/4"	22W4	47.4#	22W2	48.9#	13.091	87228	58167	43636	34909	29091	24935	21818	19394	17455	15868	14545	12468	10909
6" x 5/16"	22W4	59.3#	22W2	61.4#	16.364	109035	72708	54545	43636	36364	31169	27273	24242	21818	19835	18182	15584	13636
6" x 3/8"	22W4	70.7#	22W2	72.7#	19.636	130845	87252	65455	52364	43636	37403	32727	29091	26182	23802	21818	18701	16364

\* Based on 8.727 bars/ft of grating width. Bearing bars 1-3/8" 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.